

A.5.2 Band Edge (Restricted-band)

Test Band	Mode	Channel	Verdict
U-NII-5	802.11ax(HE20)(SU)	Low	Pass
	802.11ax(HE40)(SU)	Low	Pass
	802.11ax(HE80)(SU)	Low	Pass
	802.11ax(HE160)(SU)	Low	Pass
	802.11be(EHT20)(SU)	Low	Pass
	802.11be(EHT40)(SU)	Low	Pass
	802.11be(EHT80)(SU)	Low	Pass
	802.11be(EHT160)(SU)	Low	Pass
U-NII-8	802.11ax(HE20)(SU)	High	Pass
	802.11ax(HE40)(SU)	High	Pass
	802.11ax(HE80)(SU)	High	Pass
	802.11ax(HE160)(SU)	High	Pass
	802.11be(EHT20)(SU)	High	Pass
	802.11be(EHT40)(SU)	High	Pass
	802.11be(EHT80)(SU)	High	Pass
	802.11be(EHT160)(SU)	High	Pass

Note: All antenna were pre tested, but only the worst case has been reported in this report.

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U-NII-5 11ax20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5912.381	55.67	88.2	32.53	Peak	105.00	300	Horizontal	Pass
1**	5912.381	44.25	68.2	23.95	AV	105.00	300	Horizontal	Pass
2	5925.000	53.99	88.2	34.21	Peak	44.00	200	Horizontal	Pass
2**	5925.000	45.99	68.2	22.21	AV	44.00	200	Horizontal	Pass

U-NII-5 11ax40(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5913.573	57.5	88.2	30.70	Peak	183.00	300	Horizontal	Pass
1**	5913.573	46.45	68.2	21.75	AV	183.00	300	Horizontal	Pass
2	5925.000	53.98	88.2	34.22	Peak	193.00	300	Horizontal	Pass
2**	5925.000	45.55	68.2	22.65	AV	193.00	300	Horizontal	Pass

U-NII-5 11ax80(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5912.897	56.84	88.2	31.36	Peak	164.00	300	Horizontal	Pass
1**	5912.897	44.77	68.2	23.43	AV	164.00	300	Horizontal	Pass
2	5925.000	53.45	88.2	34.75	Peak	75.00	200	Horizontal	Pass
2**	5925.000	46.46	68.2	21.74	AV	75.00	200	Horizontal	Pass

U-NII-5 11ax160(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5912.351	57.34	88.2	30.86	Peak	194.00	300	Horizontal	Pass
1**	5912.351	43.52	68.2	24.68	AV	194.00	300	Horizontal	Pass
2	5925.000	55.39	88.2	32.81	Peak	289.00	300	Horizontal	Pass
2**	5925.000	43.14	68.2	25.06	AV	289.00	300	Horizontal	Pass

U-NII-5 11be20(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5912.493	58.41	88.2	29.79	Peak	108.00	200	Horizontal	Pass
1**	5912.493	46.38	68.2	21.82	AV	108.00	200	Horizontal	Pass
2	5925.000	54.18	88.2	34.02	Peak	75.00	100	Horizontal	Pass
2**	5925.000	44.29	68.2	23.91	AV	75.00	100	Horizontal	Pass

U-NII-5 11be40(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5913.853	58.1	88.2	30.10	Peak	122.00	100	Horizontal	Pass
1**	5913.853	46.89	68.2	21.31	AV	122.00	100	Horizontal	Pass
2	5925.000	52.51	88.2	35.69	Peak	82.00	100	Horizontal	Pass
2**	5925.000	44.62	68.2	23.58	AV	82.00	100	Horizontal	Pass

U-NII-5 11be80(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5914.047	55.5	88.2	32.70	Peak	298.00	100	Horizontal	Pass
1**	5914.047	43.96	68.2	24.24	AV	298.00	100	Horizontal	Pass
2	5925.000	54.49	88.2	33.71	Peak	43.00	200	Horizontal	Pass
2**	5925.000	46.44	68.2	21.76	AV	43.00	200	Horizontal	Pass

U-NII-5 11be160(SU) Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5911.681	58.69	88.2	29.51	Peak	318.00	100	Horizontal	Pass
1**	5911.681	44.81	68.2	23.39	AV	318.00	100	Horizontal	Pass
2	5925.000	53.14	88.2	35.06	Peak	252.00	200	Horizontal	Pass
2**	5925.000	44.12	68.2	24.08	AV	252.00	200	Horizontal	Pass

U-NII-8 11ax20(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7125.000	56.99	88.2	31.21	Peak	238.00	300	Horizontal	Pass
1**	7125.000	47.76	68.2	20.44	AV	238.00	300	Horizontal	Pass
2	7204.100	56.58	88.2	31.62	Peak	193.00	100	Horizontal	Pass
2**	7204.256	46.48	68.2	21.72	AV	193.00	100	Horizontal	Pass

U-NII-8 11ax40(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7125.000	57.24	88.2	30.96	Peak	24.00	300	Horizontal	Pass
1**	7125.000	46.19	68.2	22.01	AV	24.00	300	Horizontal	Pass
2	7201.418	57.44	88.2	30.76	Peak	323.00	100	Horizontal	Pass
2**	7202.554	46.82	68.2	21.38	AV	323.00	100	Horizontal	Pass

U-NII-8 11ax80(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7125.000	54.42	88.2	33.78	Peak	211.00	300	Horizontal	Pass
1**	7125.000	45.56	68.2	22.64	AV	211.00	300	Horizontal	Pass
2	7200.440	60.22	88.2	27.98	Peak	240.00	300	Horizontal	Pass
2**	7200.509	45.68	68.2	22.52	AV	240.00	300	Horizontal	Pass

U-NII-8 11ax160(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7125.000	56.69	88.2	31.51	Peak	20.00	300	Horizontal	Pass
1**	7125.000	44.37	68.2	23.83	AV	20.00	300	Horizontal	Pass
2	7199.284	57.38	88.2	30.82	Peak	111.00	100	Horizontal	Pass
2**	7200.181	47.82	68.2	20.38	AV	111.00	100	Horizontal	Pass

U-NII-8 11be20(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7125.000	56.49	88.2	31.71	Peak	20.00	100	Horizontal	Pass
1**	7125.000	44.33	68.2	23.87	AV	20.00	100	Horizontal	Pass
2	7202.183	57.32	88.2	30.88	Peak	93.00	100	Horizontal	Pass
2**	7202.409	46.7	68.2	21.50	AV	93.00	100	Horizontal	Pass

U-NII-8 11be40(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7125.000	57.04	88.2	31.16	Peak	227.00	100	Horizontal	Pass
1**	7125.000	47.08	68.2	21.12	AV	227.00	100	Horizontal	Pass
2	7200.796	57.74	88.2	30.46	Peak	291.00	100	Horizontal	Pass
2**	7201.738	45.44	68.2	22.76	AV	291.00	100	Horizontal	Pass

U-NII-8 11be80(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7125.000	55.53	88.2	32.67	Peak	300.00	300	Horizontal	Pass
1**	7125.000	47.89	68.2	20.31	AV	300.00	300	Horizontal	Pass
2	7199.896	57.11	88.2	31.09	Peak	209.00	100	Horizontal	Pass
2**	7199.311	45.02	68.2	23.18	AV	209.00	100	Horizontal	Pass

U-NII-8 11be160(SU) High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7125.000	54.68	88.2	33.52	Peak	319.00	300	Horizontal	Pass
1**	7125.000	44.63	68.2	23.57	AV	319.00	300	Horizontal	Pass
2	7196.911	59.29	88.2	28.91	Peak	248.00	300	Horizontal	Pass
2**	7198.452	44.59	68.2	23.61	AV	248.00	300	Horizontal	Pass

A.6 Contention Based Protocol

Interference Signals used for Tests

Interference Signals Type	Bandwidth (MHz)
AWGN	10

Regulated Threshold Level

Test Method	Interference threshold level
☒ Conducted ☐ Radiation	The Regulated Threshold Level = -62 dBm (assumes a 0 dBi receive antenna)

Test Data

U-NII-5 (5925 MHz to 6425 MHz)

Operation Mode	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Injected (AWGN) Power (dBm)	Antenna Gain (dBi)	Adjusted Power (dBm)	Detection Limit (dBm)	EUT Tx Status	Detection Rate	Detection Limit	Test Result
11be20	73	6315	6315	-69.65	0.96	-69.19	-62	Ceased	100%	90%	Pass
				-70.15	0.96	-69.78	-62	Minimal	/	/	/
				-82.00	0.96	-81.61	-62	Normal	/	/	/
11be160	47	6185	6115	-70.23	0.96	-69.81	-62	Ceased	90%	90%	Pass
				-70.73	0.96	-70.35	-62	Minimal	/	/	/
				-82.00	0.96	-81.57	-62	Normal	/	/	/
			6185	-71.23	0.96	-70.77	-62	Ceased	90%	90%	Pass
				-71.73	0.96	-71.31	-62	Minimal	/	/	/
				-82.00	0.96	-81.67	-62	Normal	/	/	/
			6255	-71.25	0.96	-70.83	-62	Ceased	90%	90%	Pass
				-71.75	0.96	-71.44	-62	Minimal	/	/	/
				-82.00	0.96	-81.57	-62	Normal	/	/	/

U-NII-6 (6425 MHz to 6525 MHz)

Operation Mode	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Injected (AWGN) Power (dBm)	Antenna Gain (dBi)	Adjusted Power (dBm)	Detection Limit (dBm)	EUT Tx Status	Detection Rate	Detection Limit	Test Result
11be20	101	6455	6455	-69.43	0.75	-69.26	-62	Ceased	100%	90%	Pass
				-69.93	0.75	-69.80	-62	Minimal	/	/	/
				-82.00	0.75	-81.76	-62	Normal	/	/	/
11be160	111	6505	6435	-70.43	0.75	-70.35	-62	Ceased	90%	90%	Pass
				-70.93	0.75	-70.81	-62	Minimal	/	/	/
				-82.00	0.75	-81.91	-62	Normal	/	/	/
			6505	-71.67	0.75	-71.50	-62	Ceased	90%	90%	Pass
				-72.17	0.75	-72.07	-62	Minimal	/	/	/
				-82.00	0.75	-81.89	-62	Normal	/	/	/
			6575	-72.32	0.75	-72.24	-62	Ceased	90%	90%	Pass
				-72.82	0.75	-72.61	-62	Minimal	/	/	/
				-82.00	0.75	-81.88	-62	Normal	/	/	/

U-NII-7 (6525 MHz to 6875 MHz)

Operation Mode	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Injected (AWGN) Power (dBm)	Antenna Gain (dBi)	Adjusted Power (dBm)	Detection Limit (dBm)	EUT Tx Status	Detection Rate	Detection Limit	Test Result
11be20	149	6695	6695	-69.70	0.77	-69.46	-62	Ceased	100%	90%	Pass
				-70.20	0.77	-70.06	-62	Minimal	/	/	/
				-82.00	0.77	-81.77	-62	Normal	/	/	/
11be160	151	6705	6635	-70.15	0.77	-69.92	-62	Ceased	90%	90%	Pass
				-70.65	0.77	-70.41	-62	Minimal	/	/	/
				-82.00	0.77	-81.77	-62	Normal	/	/	/
			6705	-69.73	0.77	-69.55	-62	Ceased	90%	90%	Pass
				-70.23	0.77	-70.11	-62	Minimal	/	/	/
				-82.00	0.77	-81.89	-62	Normal	/	/	/
			6775	-70.29	0.77	-70.12	-62	Ceased	90%	90%	Pass
				-70.79	0.77	-70.71	-62	Minimal	/	/	/
				-82.00	0.77	-81.87	-62	Normal	/	/	/

U-NII-8 (6875 MHz to 7125 MHz)

Operation Mode	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Injected (AWGN) Power (dBm)	Antenna Gain (dBi)	Adjusted Power (dBm)	Detection Limit (dBm)	EUT Tx Status	Detection Rate	Detection Limit	Test Result
11be20	213	7015	7015	-70.21	1.56	-69.27	-62	Ceased	100%	90%	Pass
				-70.71	1.56	-69.74	-62	Minimal	/	/	/
				-82.00	1.56	-81.09	-62	Normal	/	/	/
11be160	199	6945	6875	-70.15	1.56	-69.18	-62	Ceased	90%	90%	Pass
				-70.65	1.56	-69.67	-62	Minimal	/	/	/
				-82.00	1.56	-81.09	-62	Normal	/	/	/
			6945	-69.73	1.56	-68.74	-62	Ceased	90%	90%	Pass
				-70.23	1.56	-69.21	-62	Minimal	/	/	/
				-82.00	1.56	-81.01	-62	Normal	/	/	/
			7015	-70.29	1.56	-69.34	-62	Ceased	90%	90%	Pass
				-70.79	1.56	-69.79	-62	Minimal	/	/	/
				-82.00	1.56	-81.04	-62	Normal	/	/	/

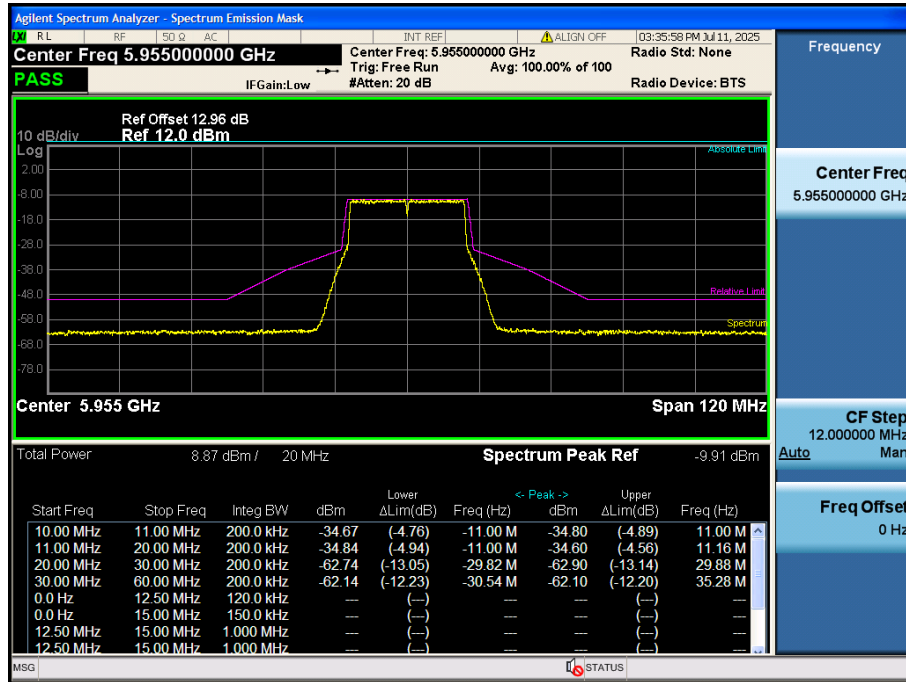
A.7 In-Band Emissions

Note: All antenna were pre tested, but only the worst case has been reported in this report.

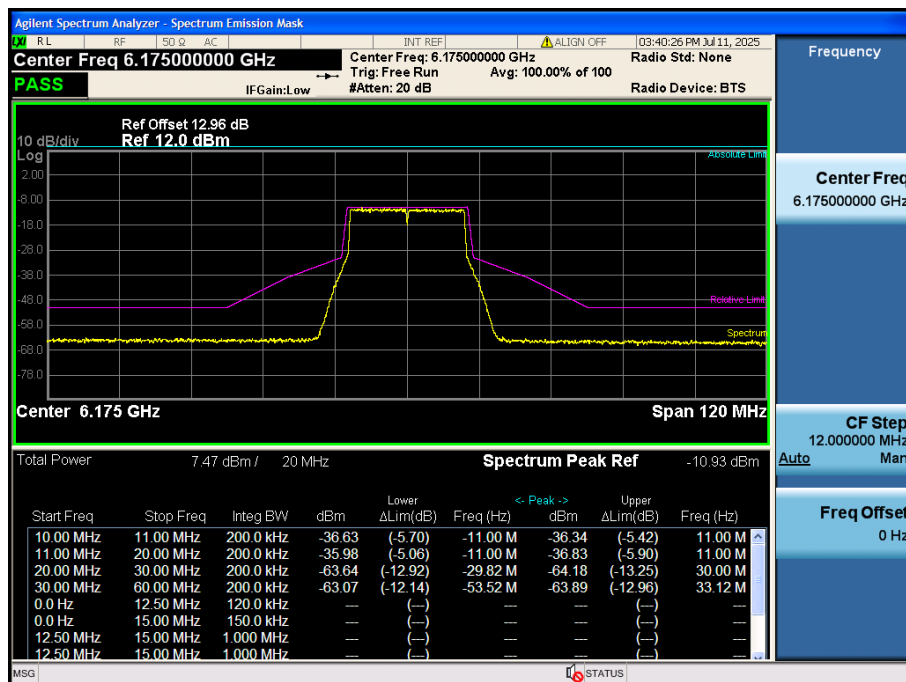
Test Plots

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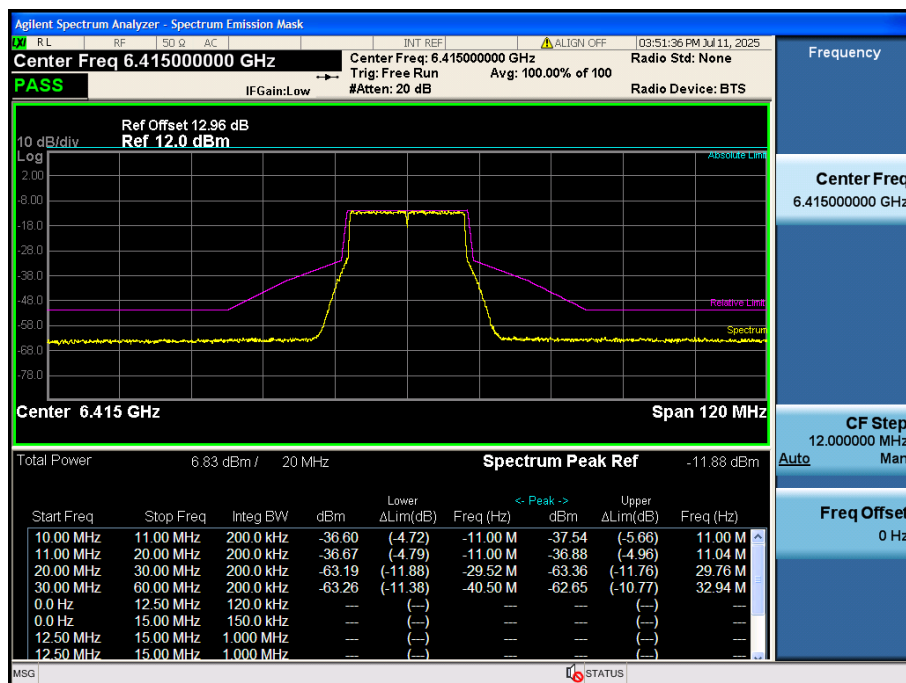
11ax20(SU), U-NII-5, Low Channel



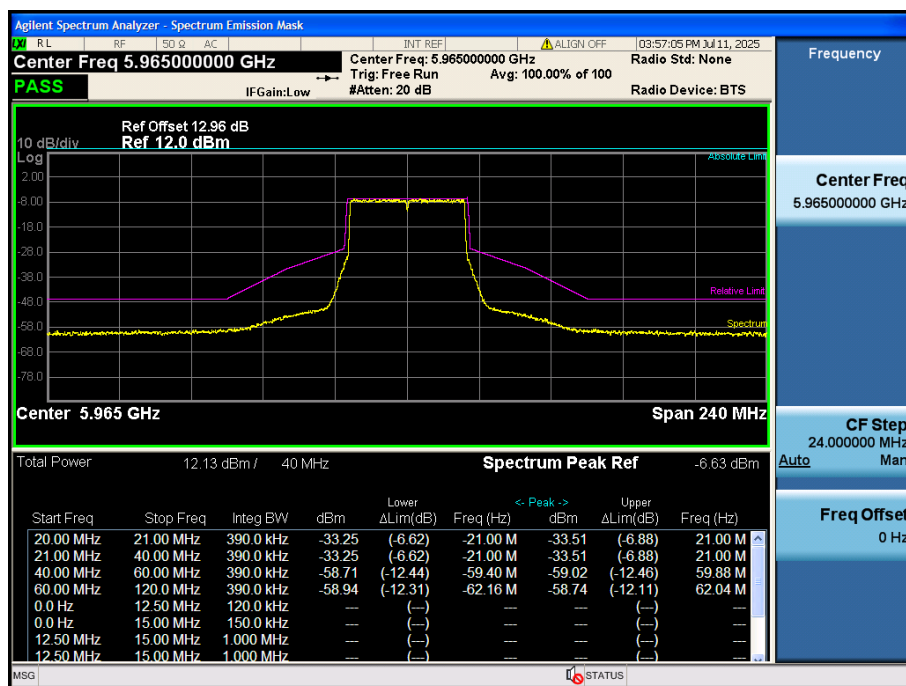
11ax20(SU), U-NII-5, Middle Channel



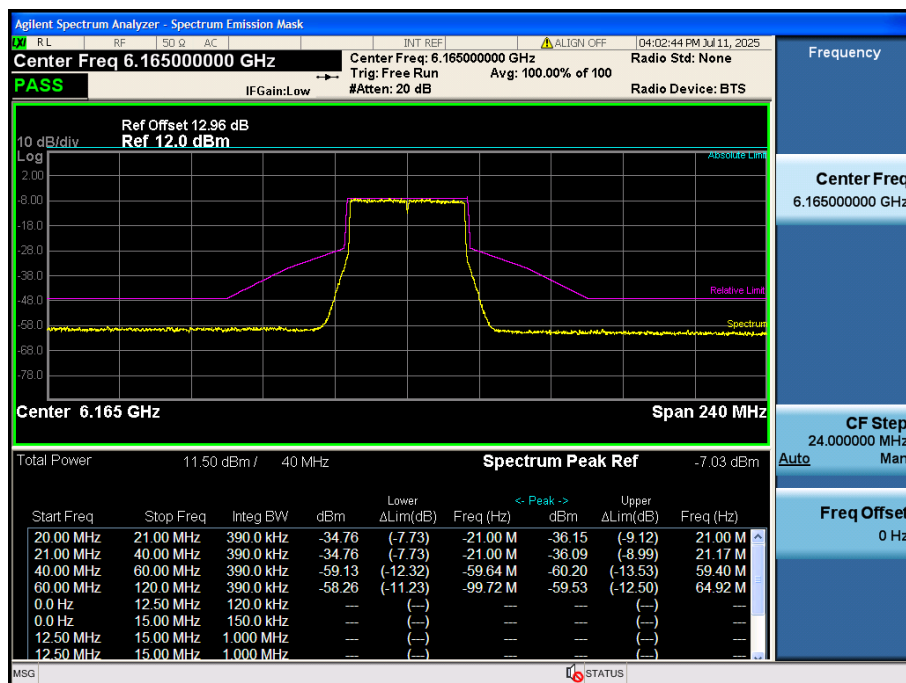
11ax20(SU), U-NII-5, High Channel



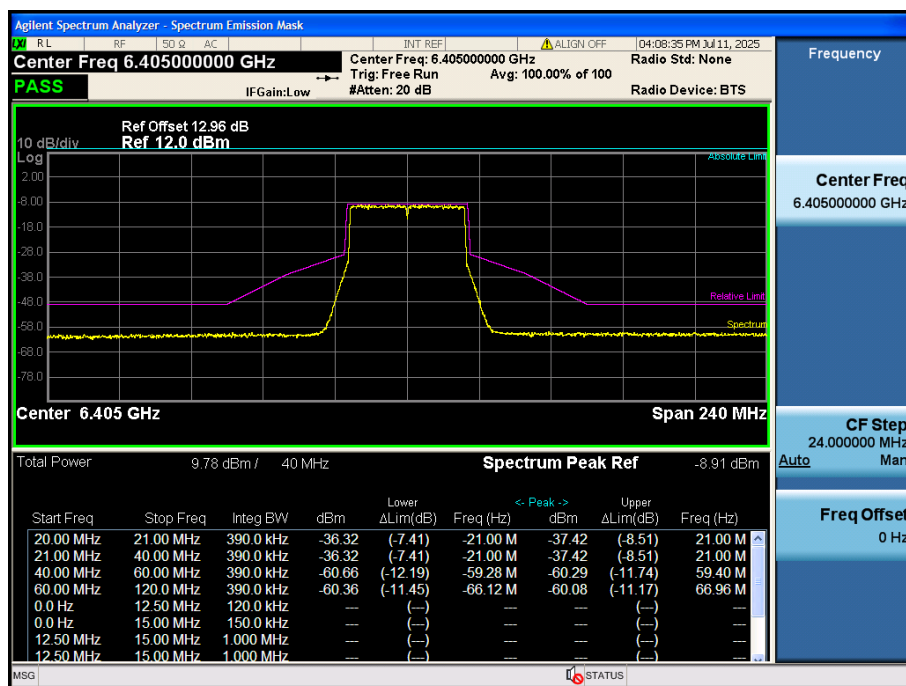
11ax40(SU), U-NII-5, Low Channel



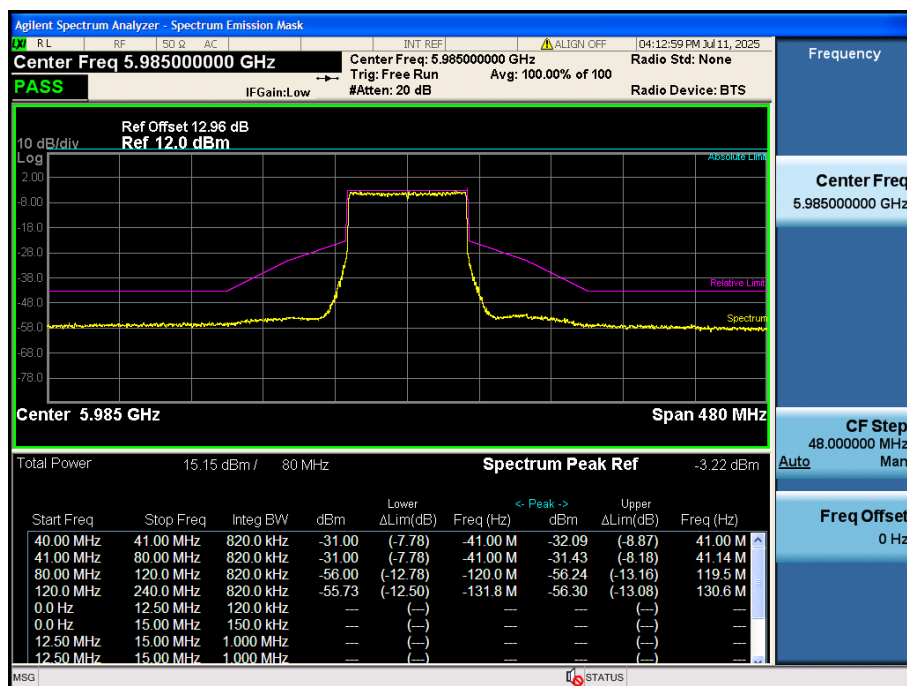
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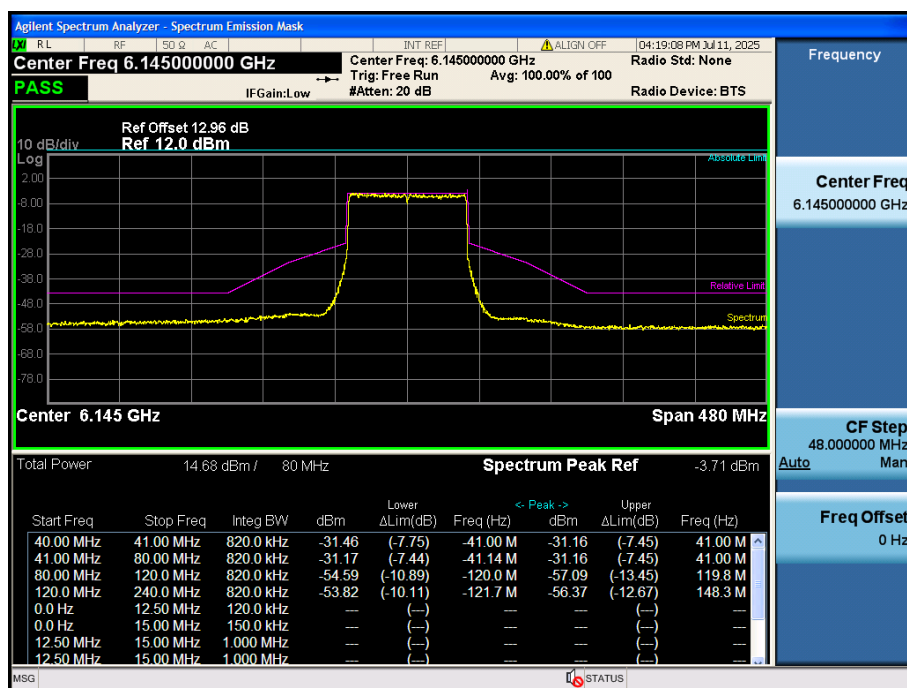
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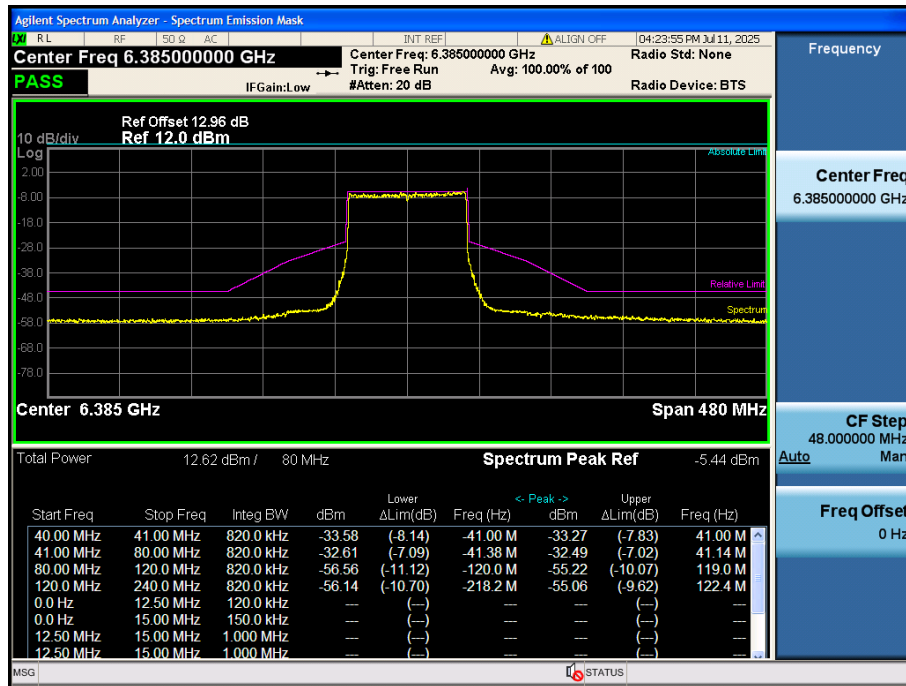
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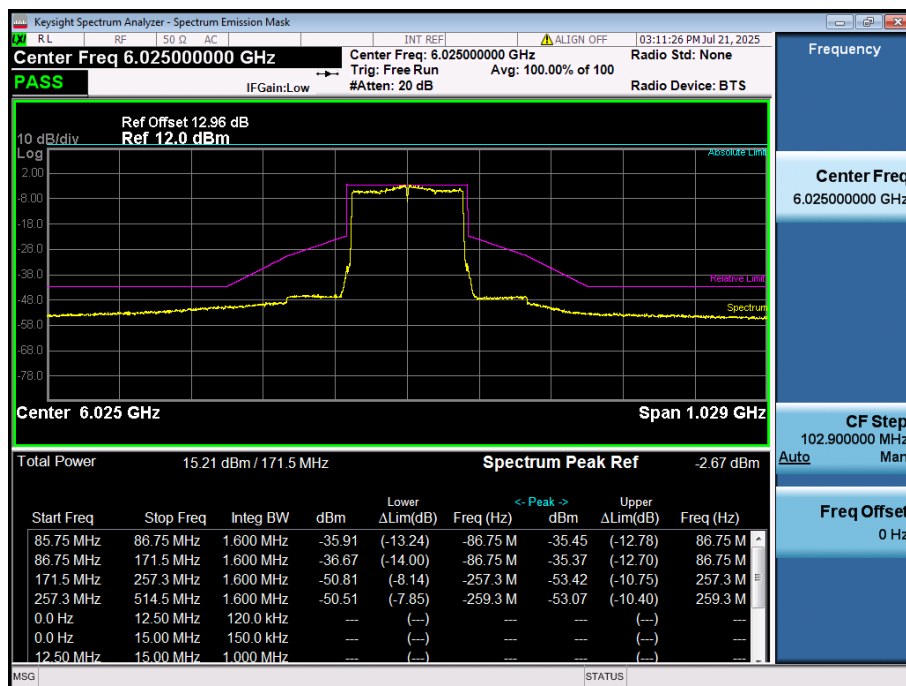
11ax80(SU), U-NII-5, Middle Channel



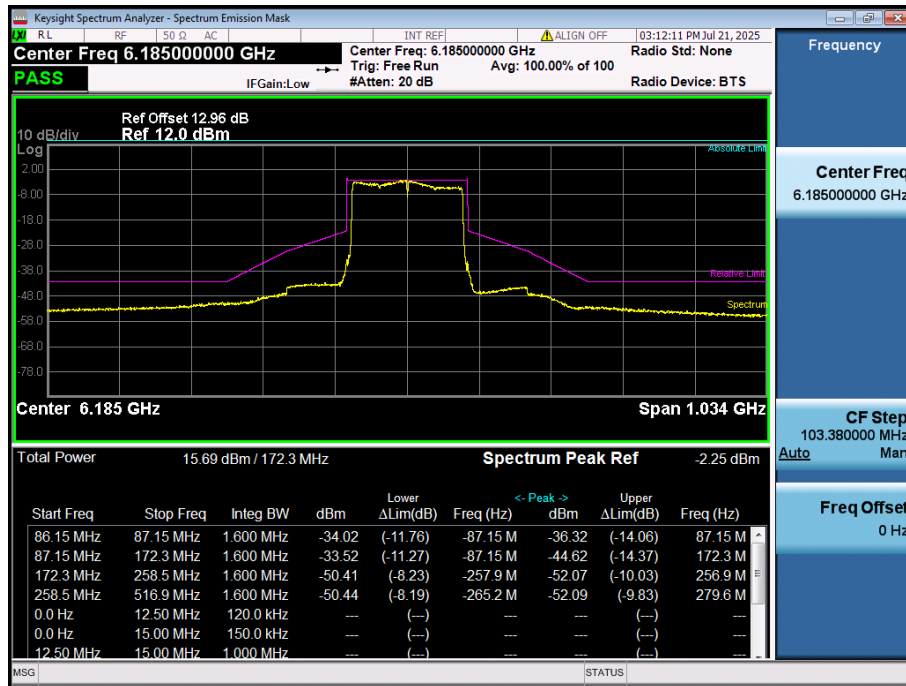
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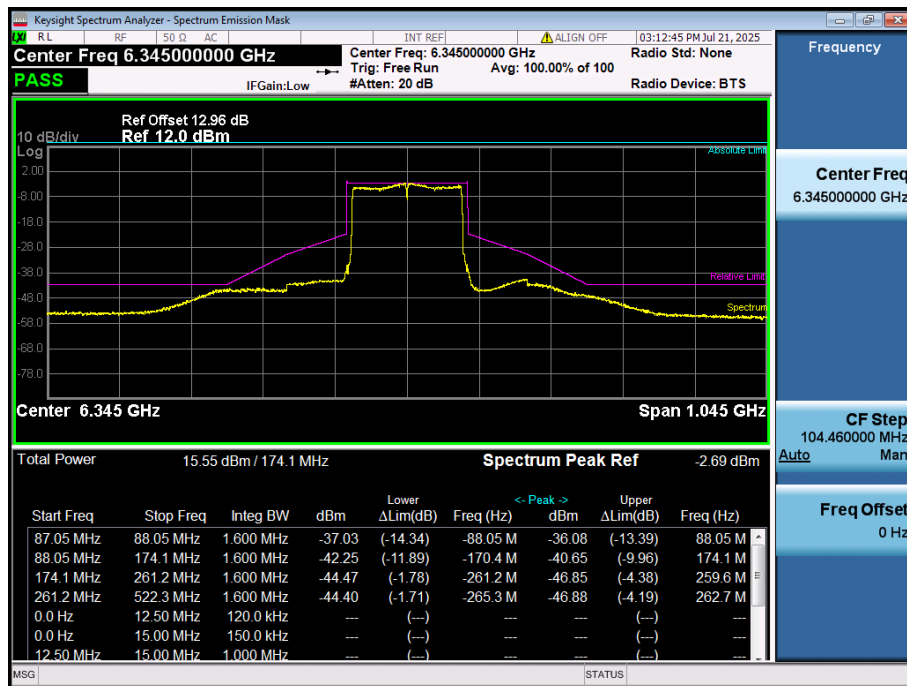
11ax160(SU), U-NII-5, Low Channel



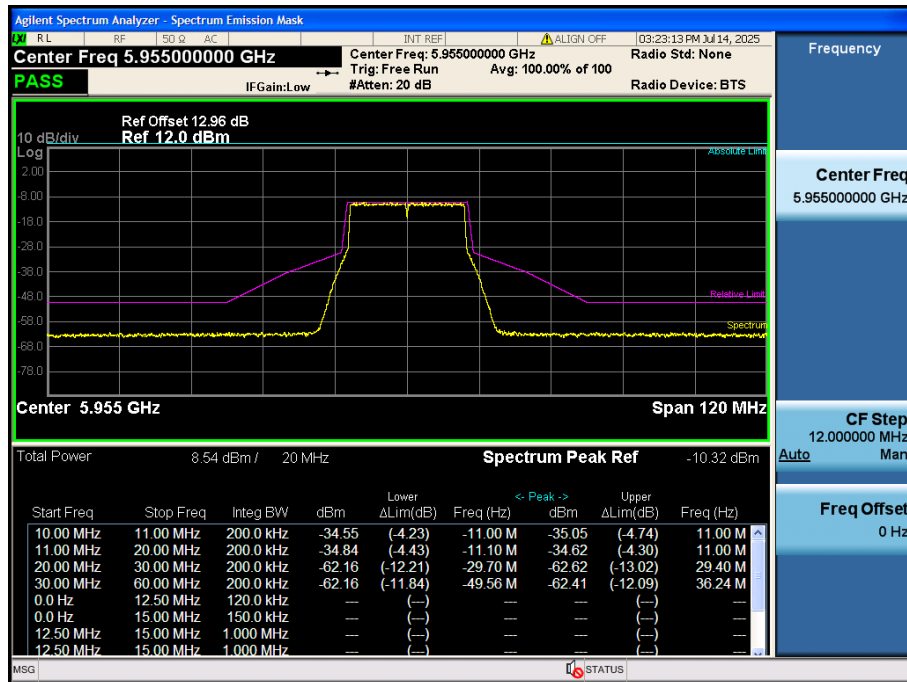
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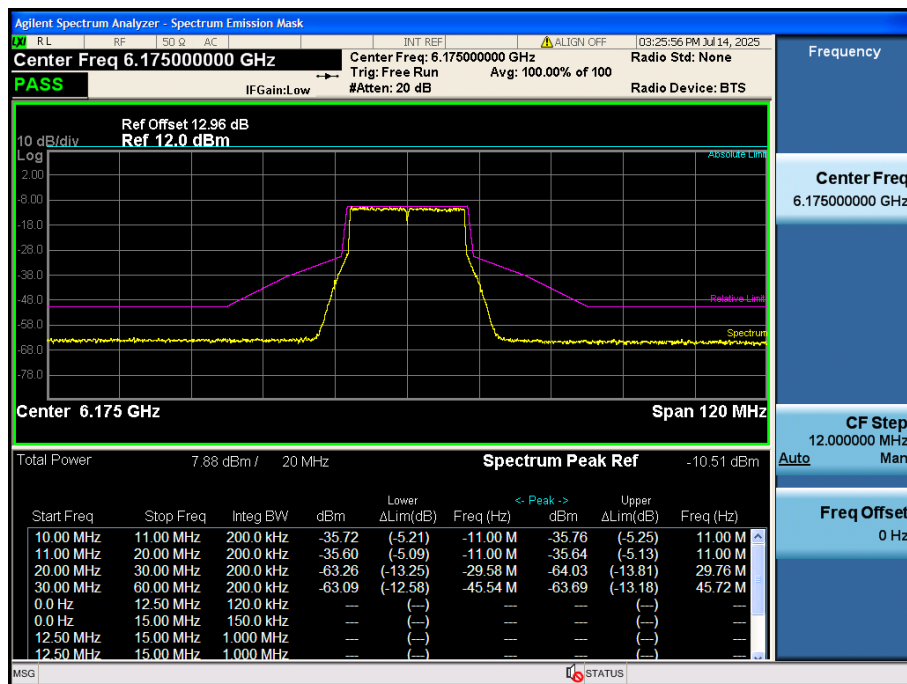
11ax160(SU), U-NII-5, High Channel



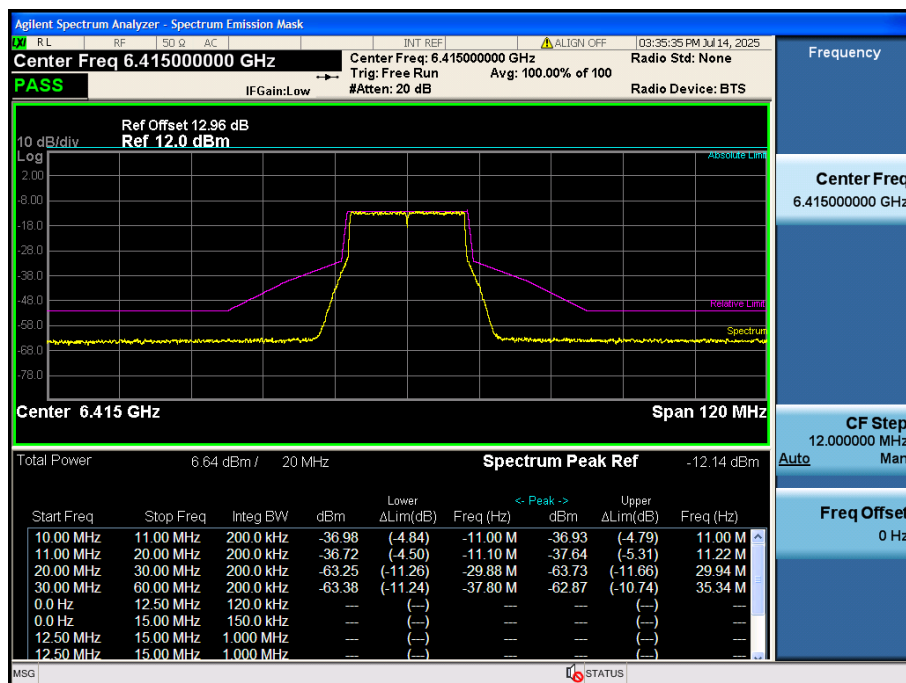
11be20(SU), U-NII-5, Low Channel



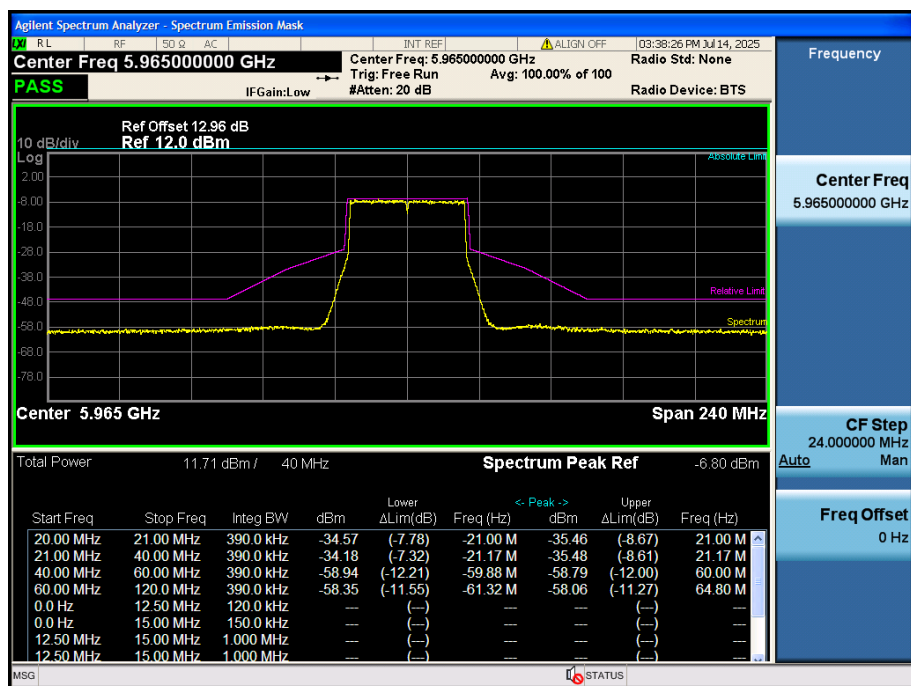
11be20(SU), U-NII-5, Middle Channel



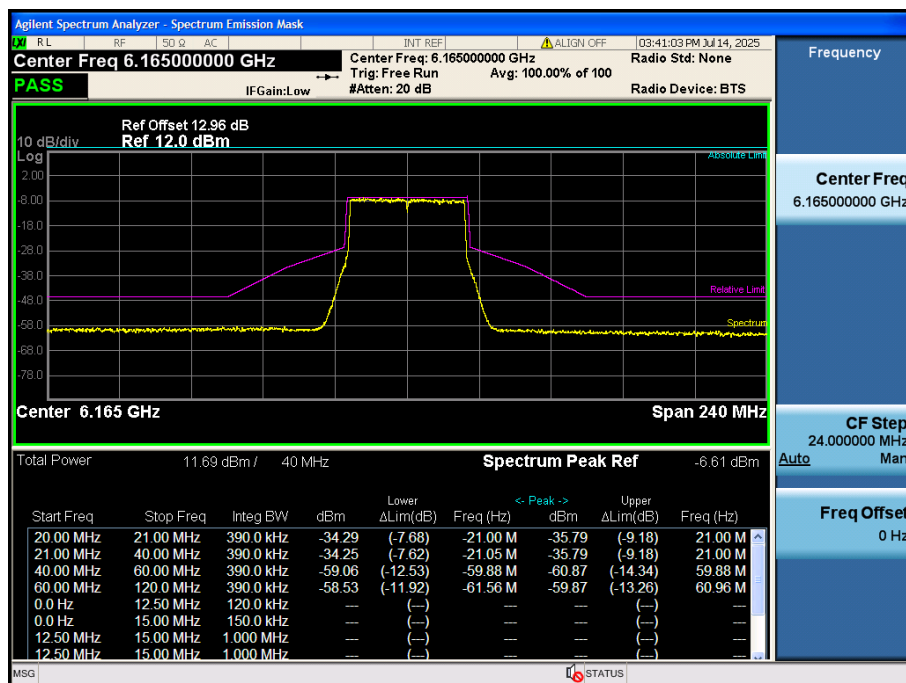
11be20(SU), U-NII-5, High Channel



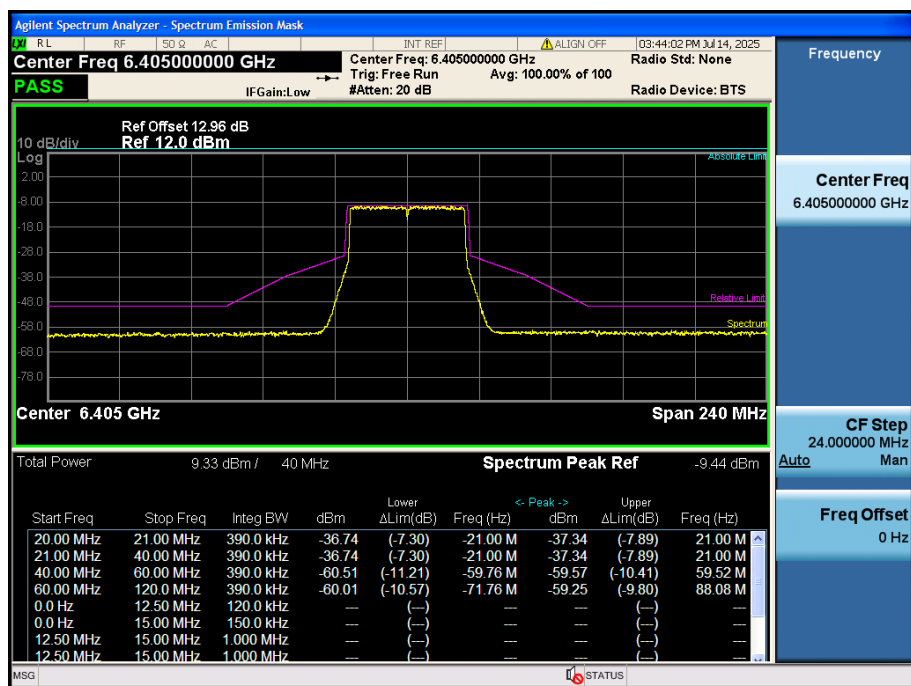
11be40(SU), U-NII-5, Low Channel



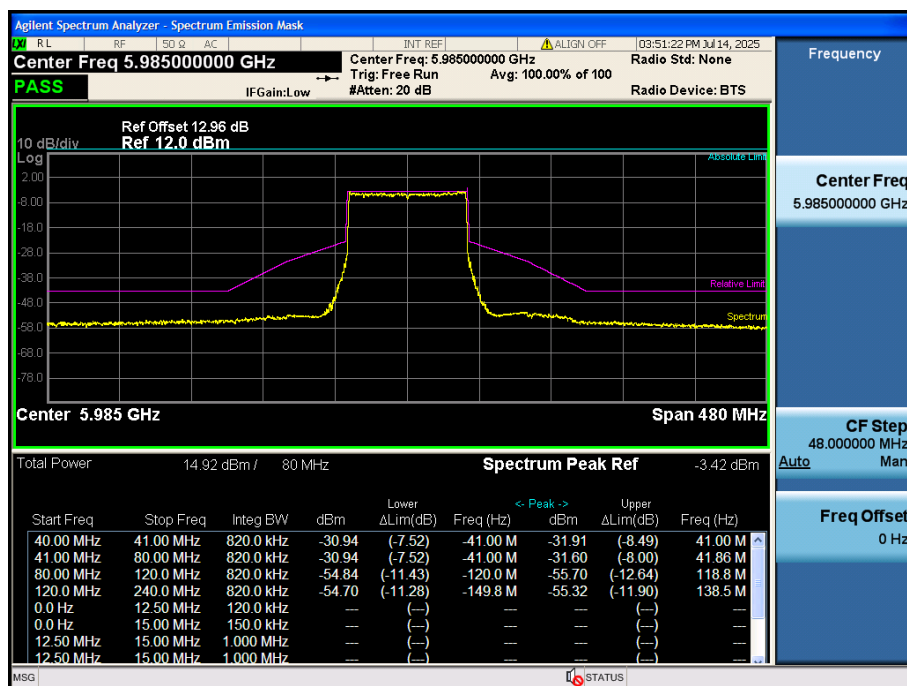
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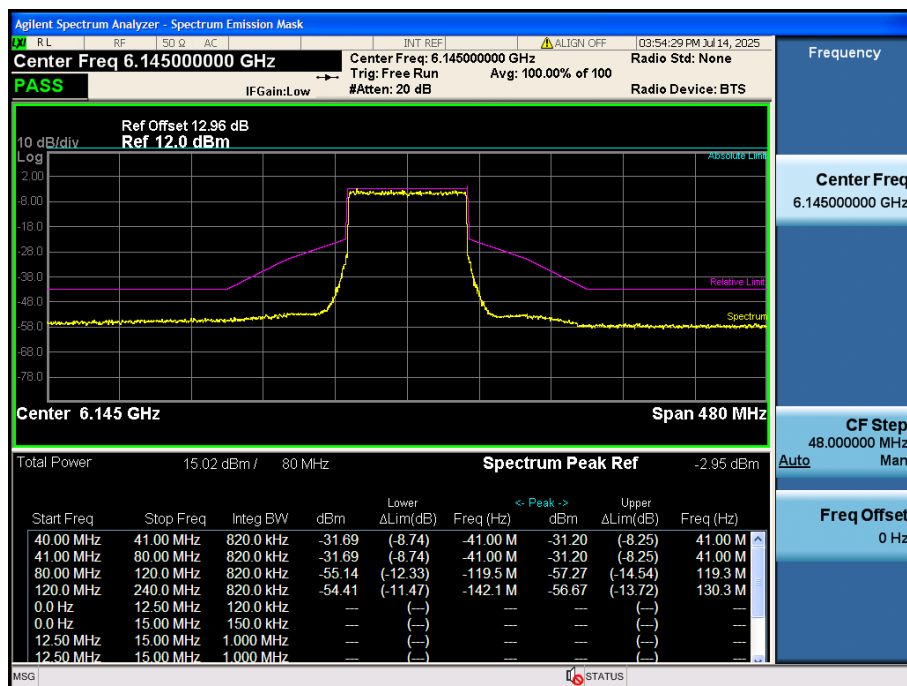
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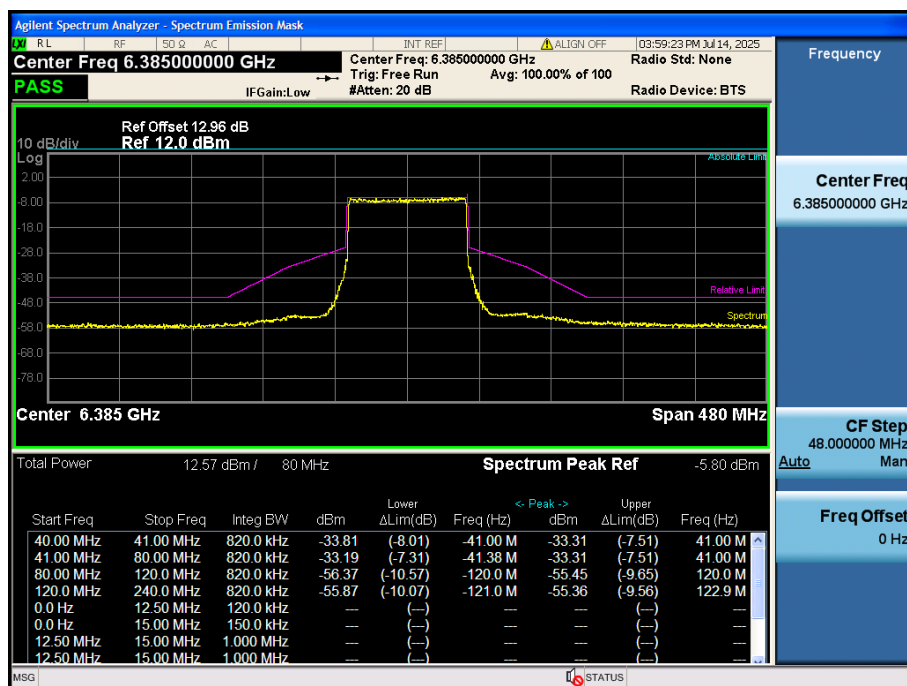
11be80(SU), U-NII-5, Low Channel



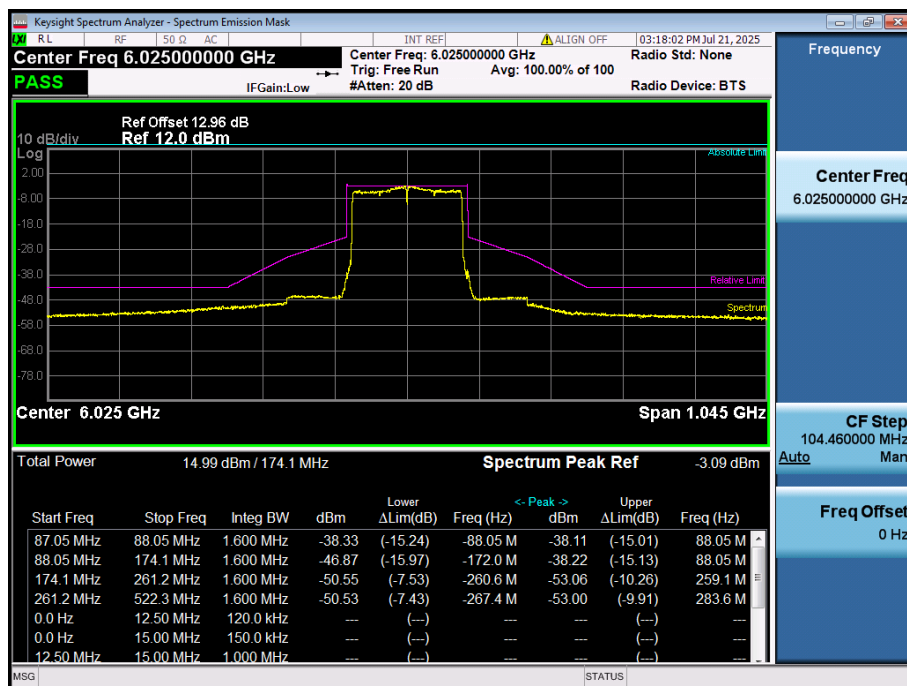
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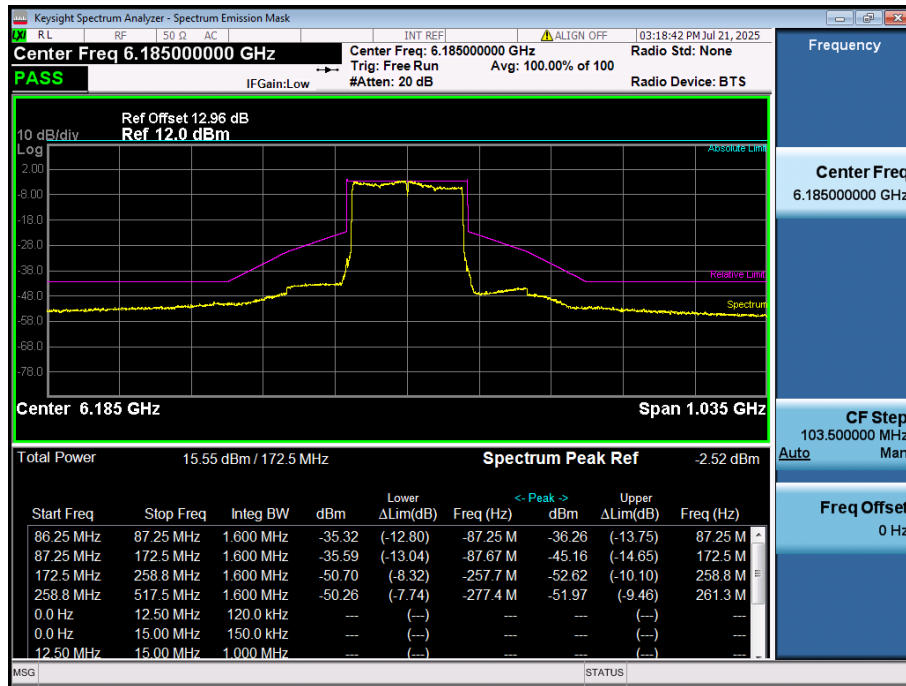
11be80(SU), U-NII-5, High Channel



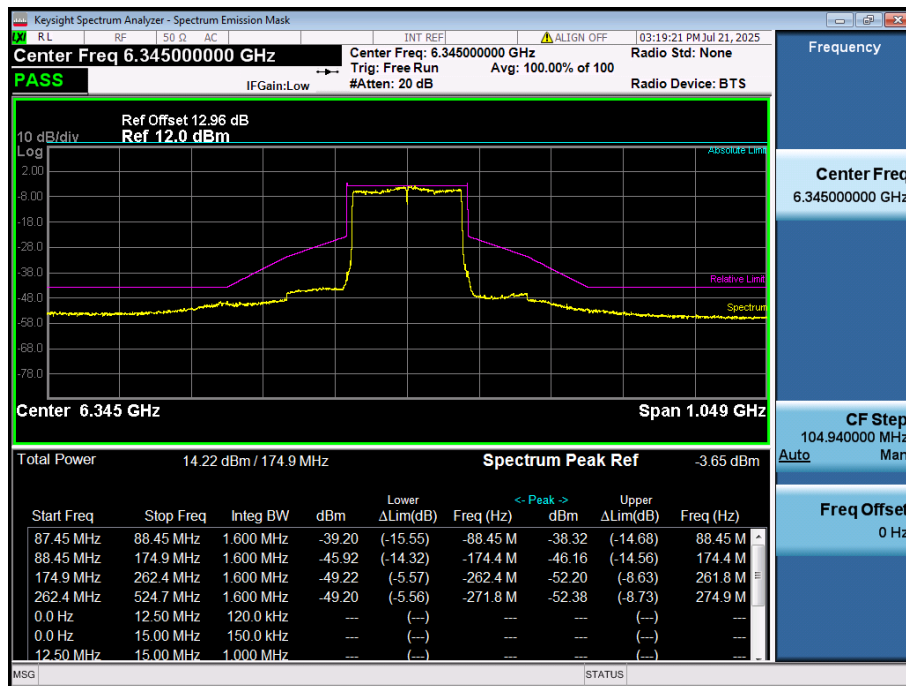
11be160(SU), U-NII-5, Low Channel



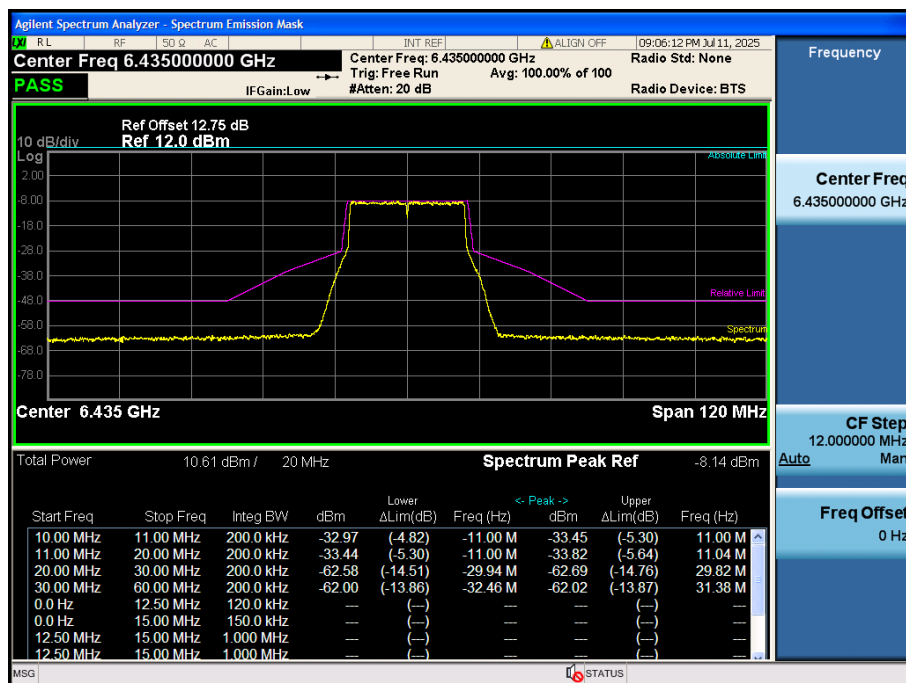
11be160(SU), U-NII-5, Middle Channel



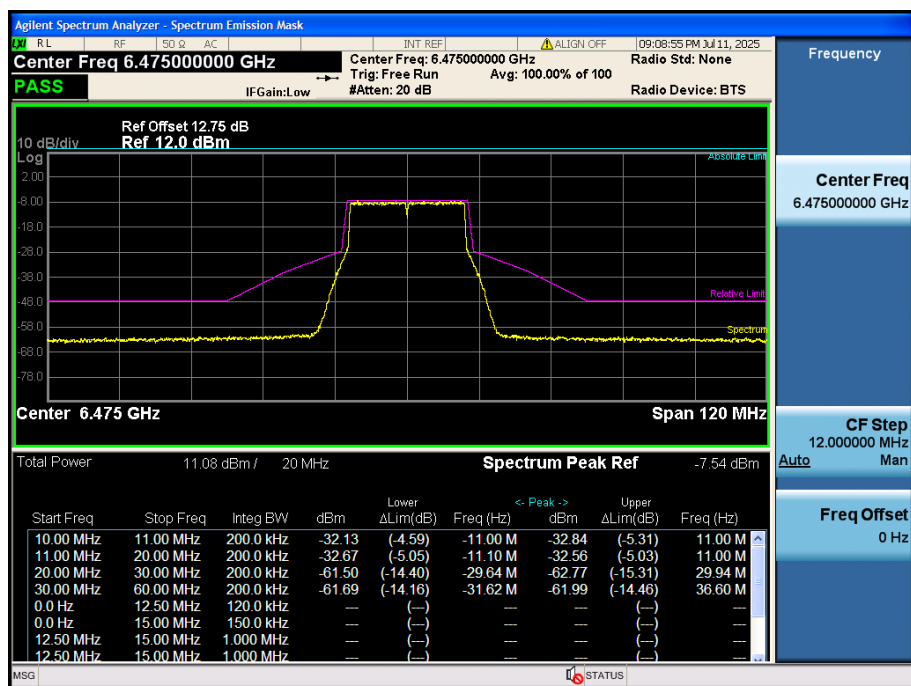
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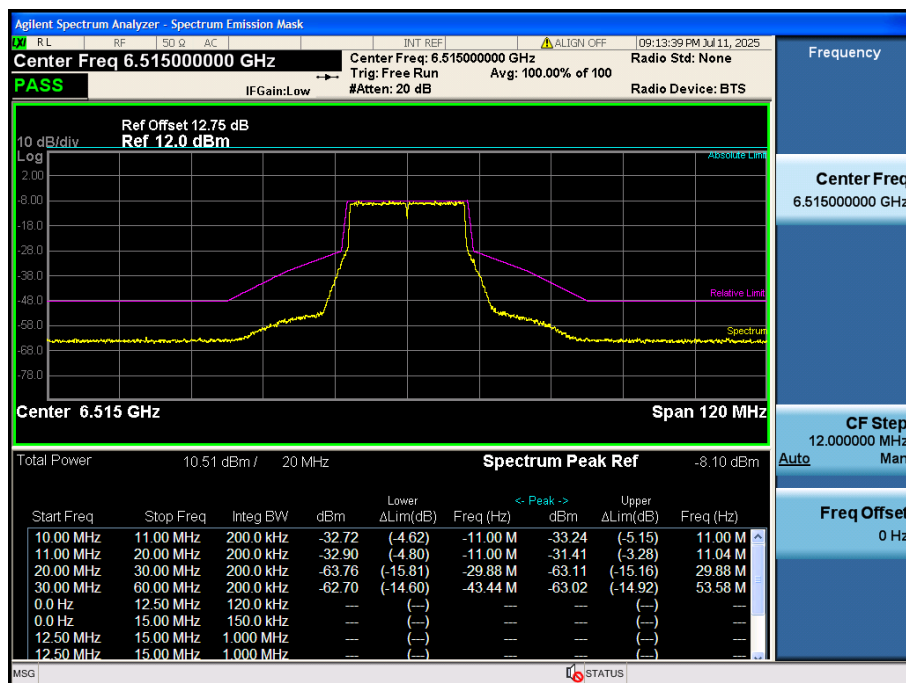
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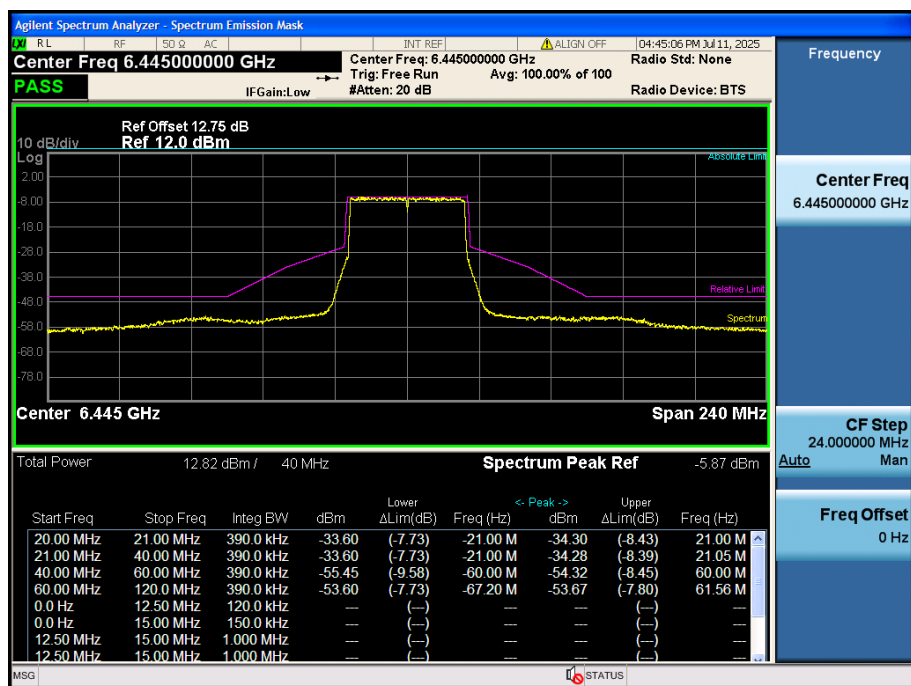
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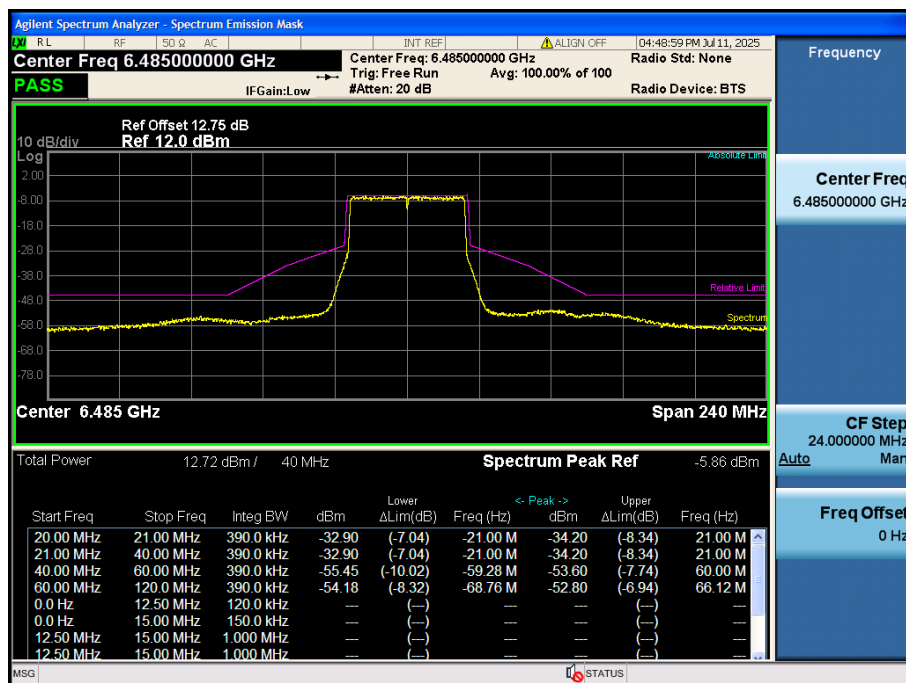
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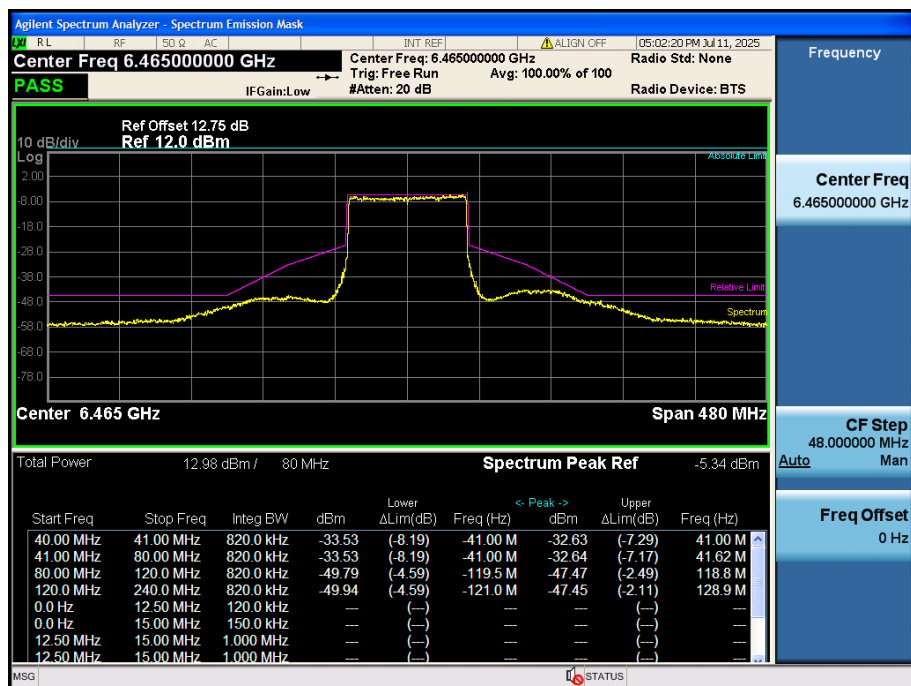
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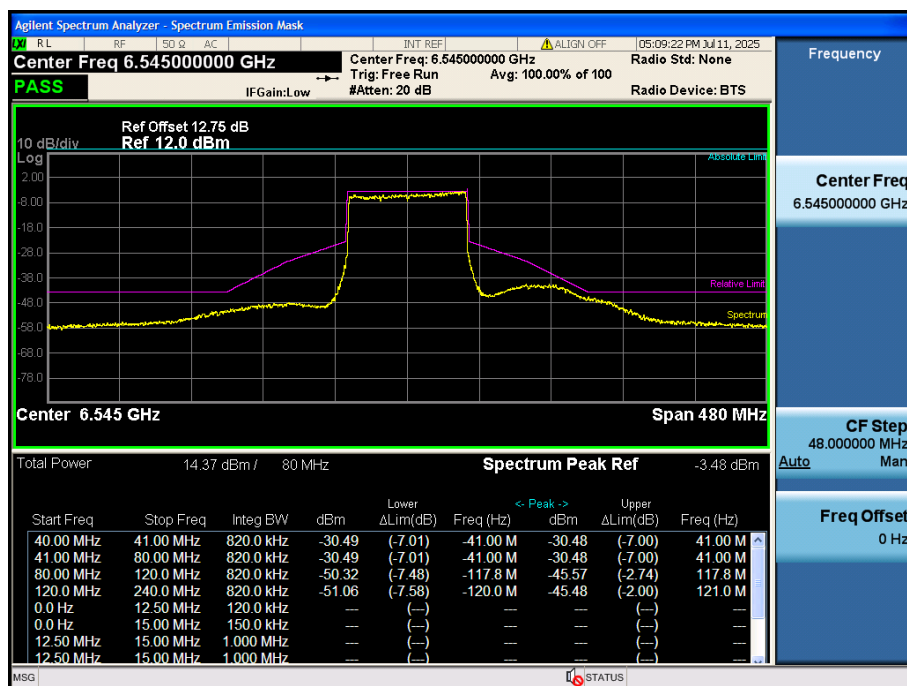
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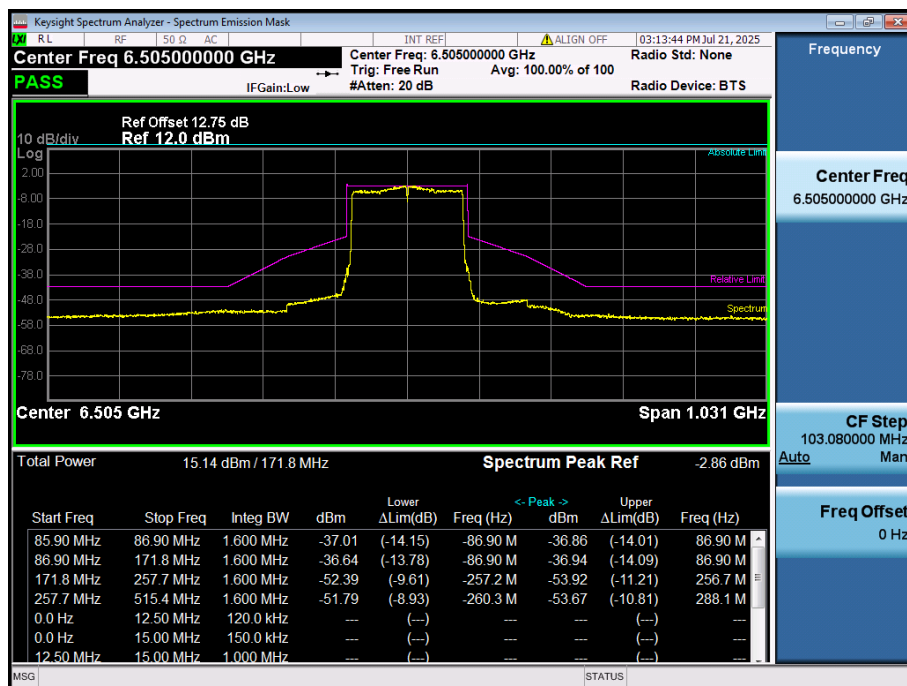
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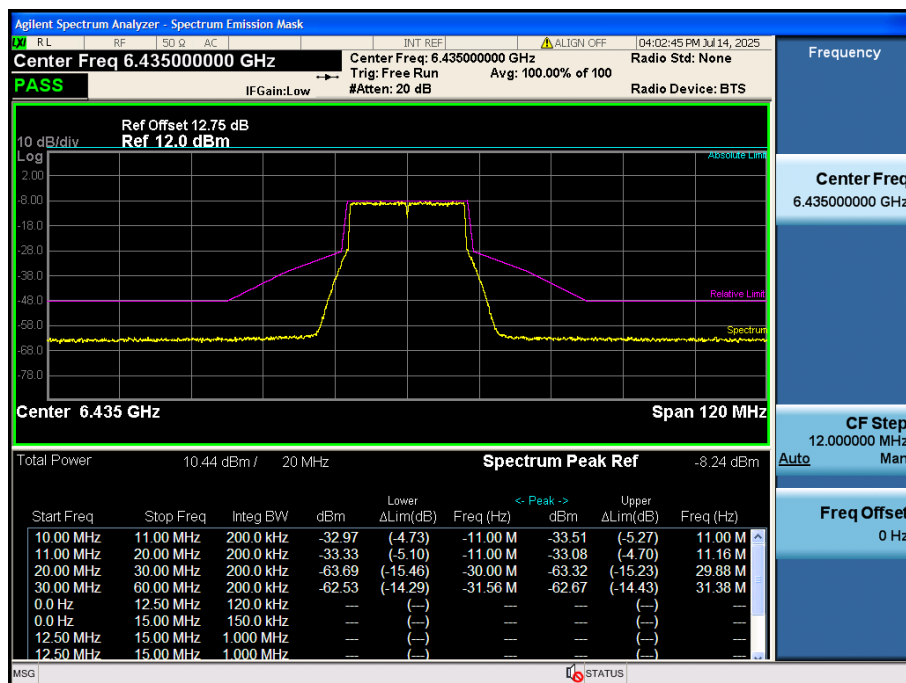
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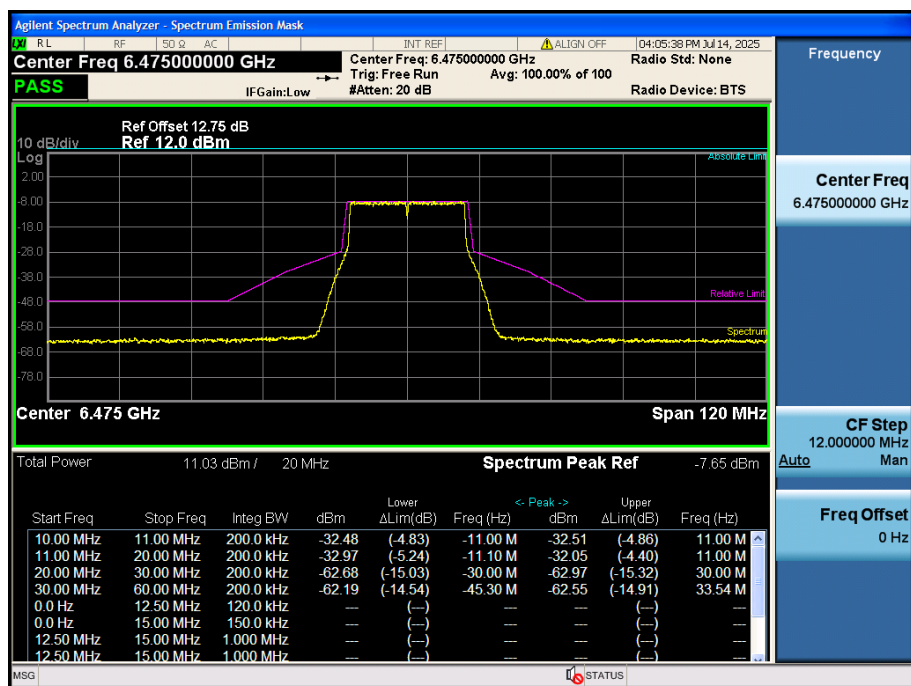
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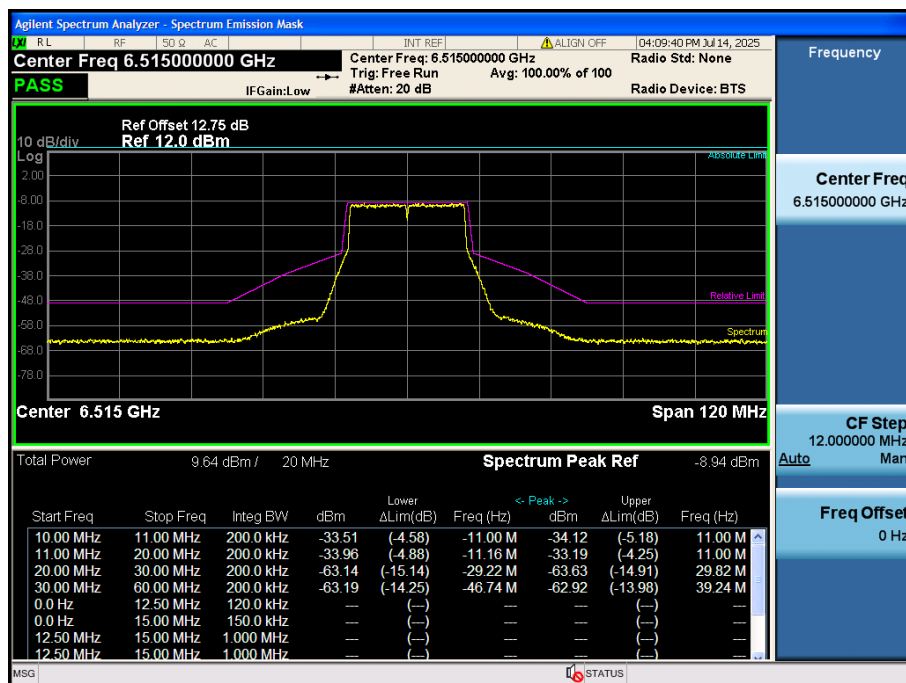
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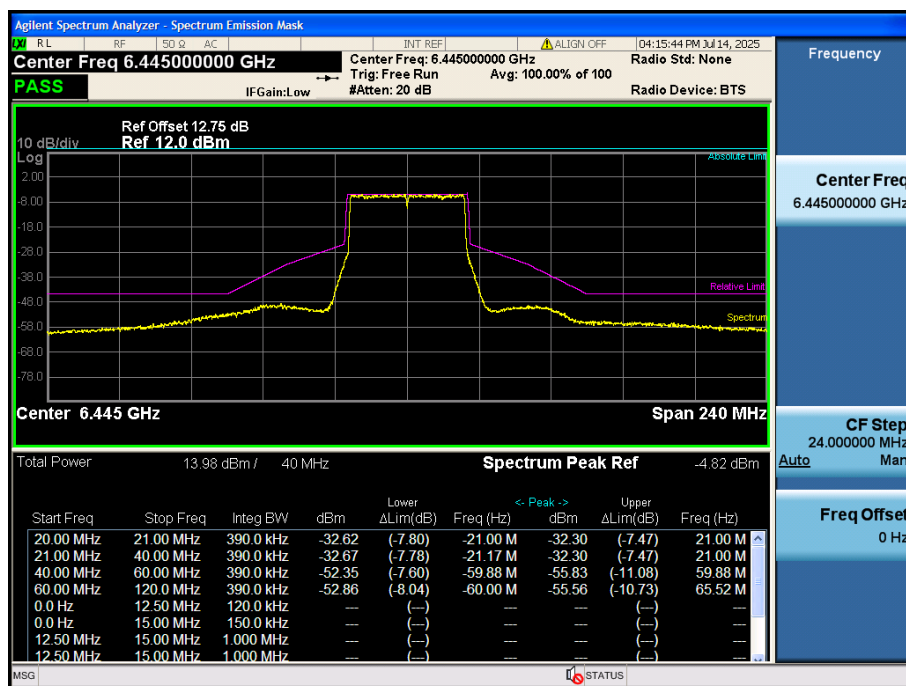
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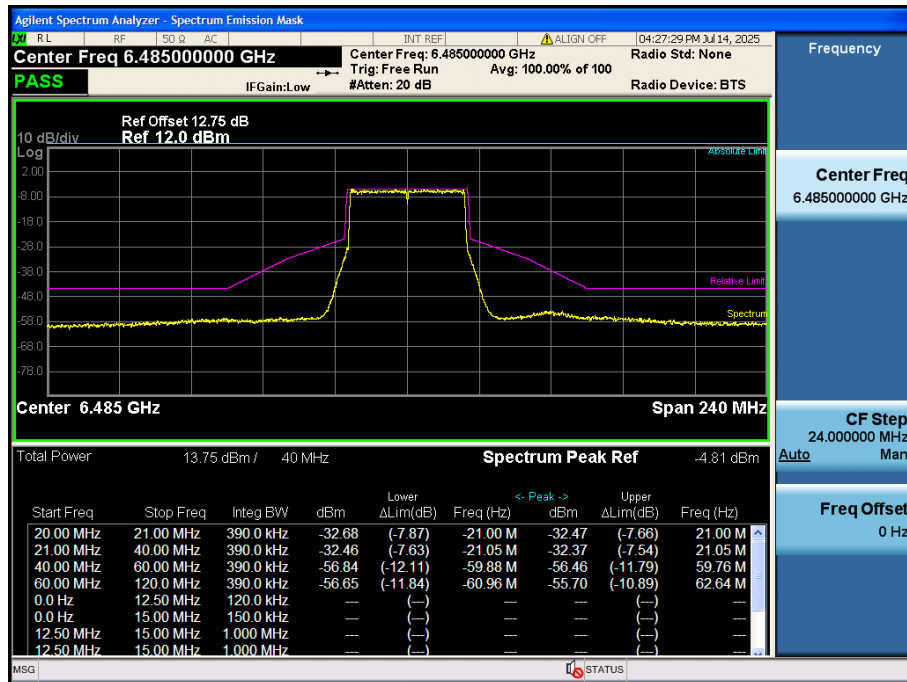
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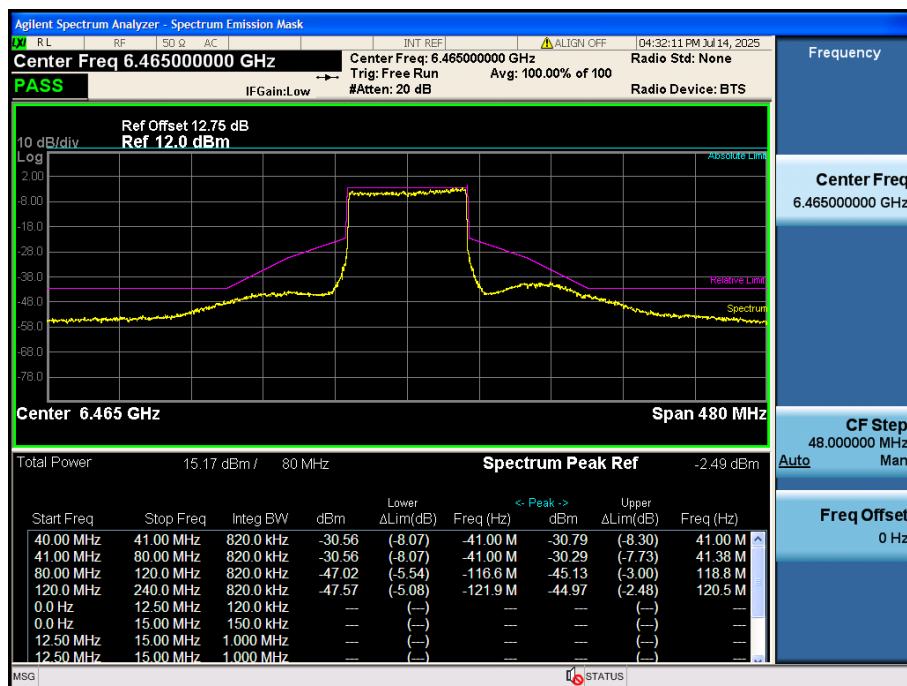
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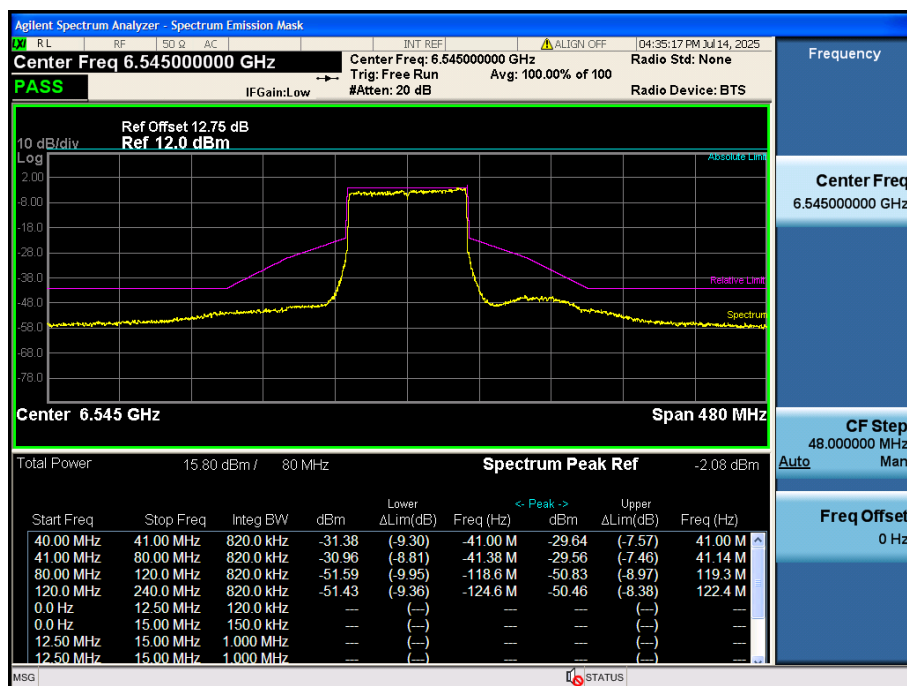
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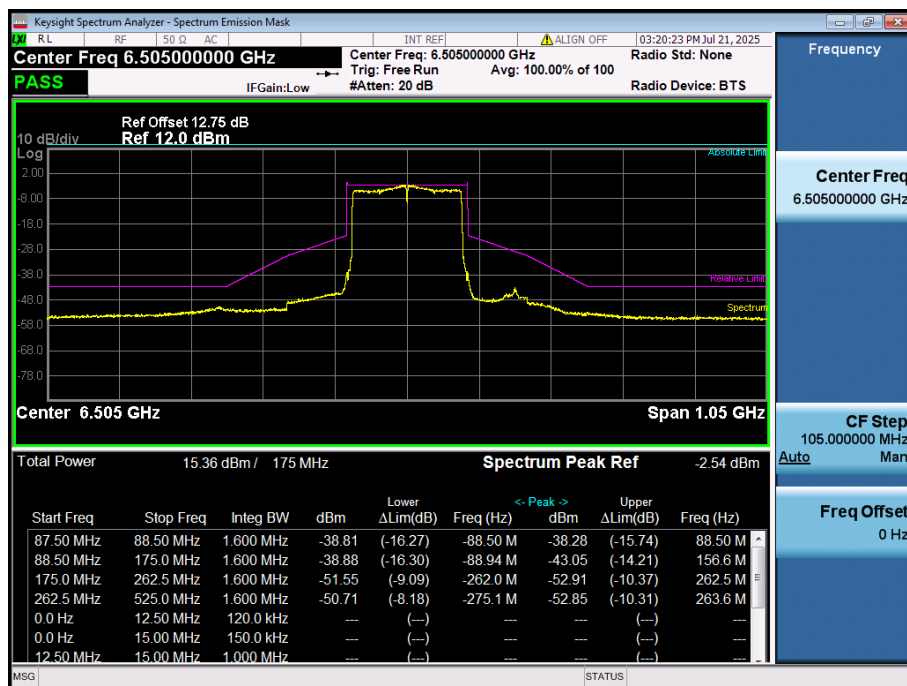
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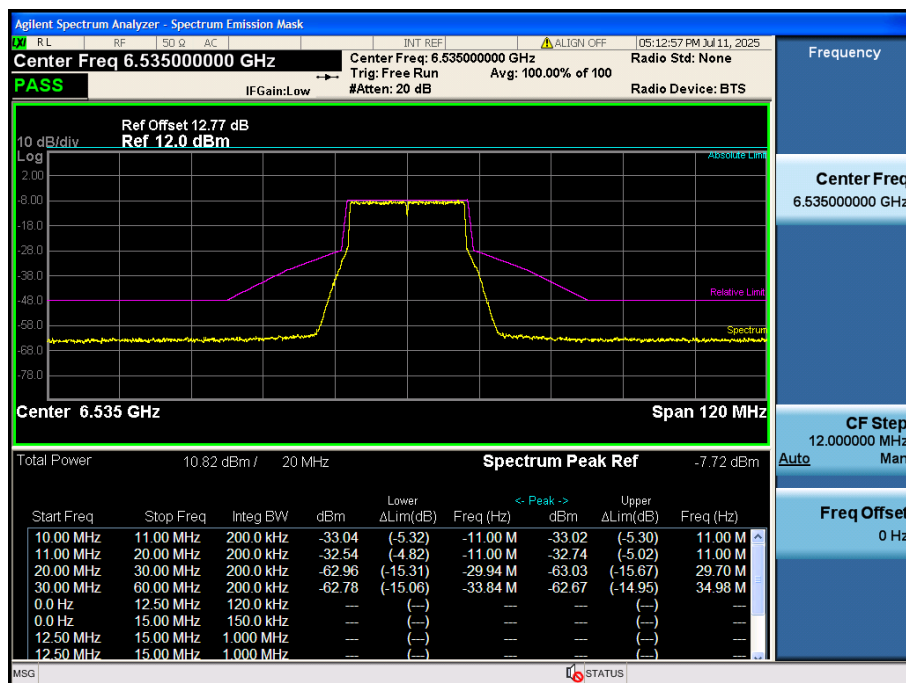
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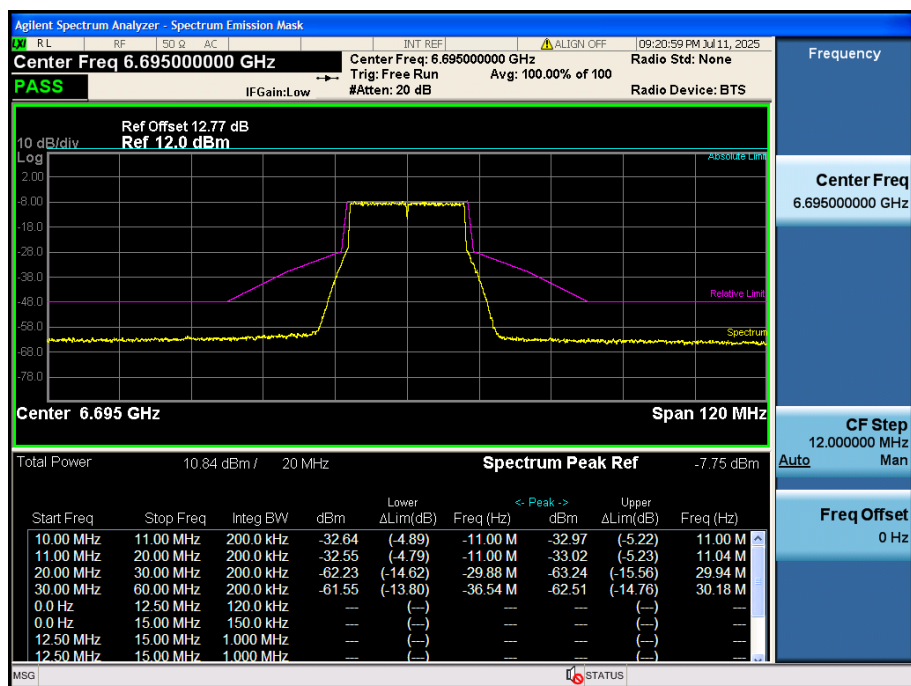
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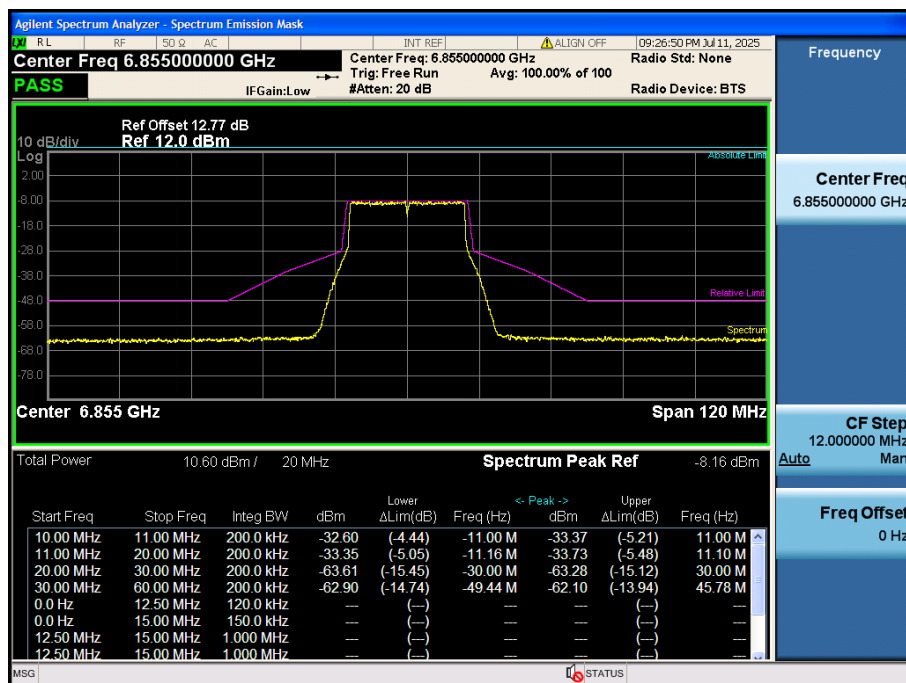
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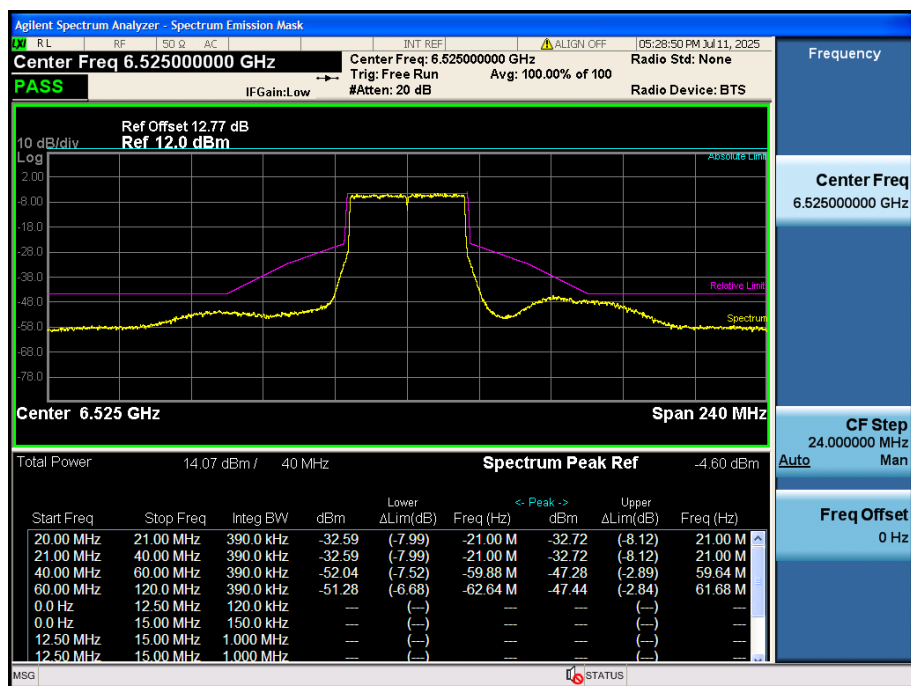
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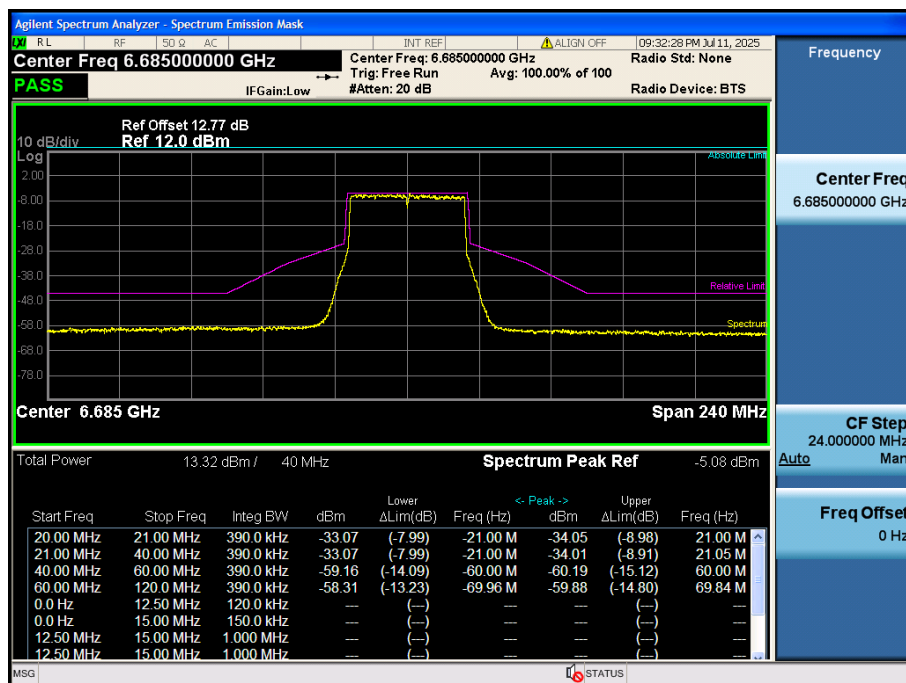
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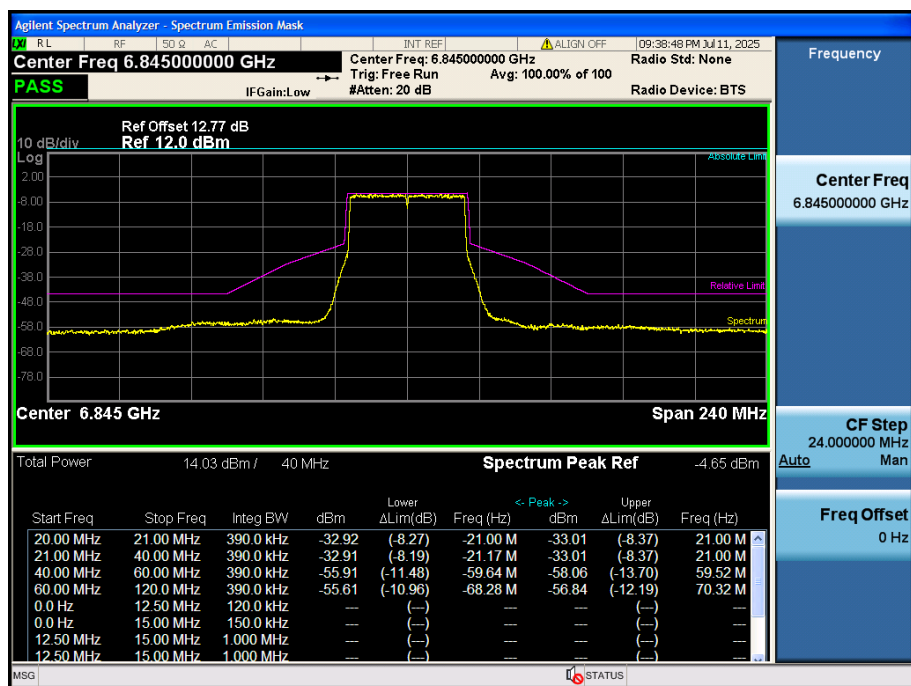
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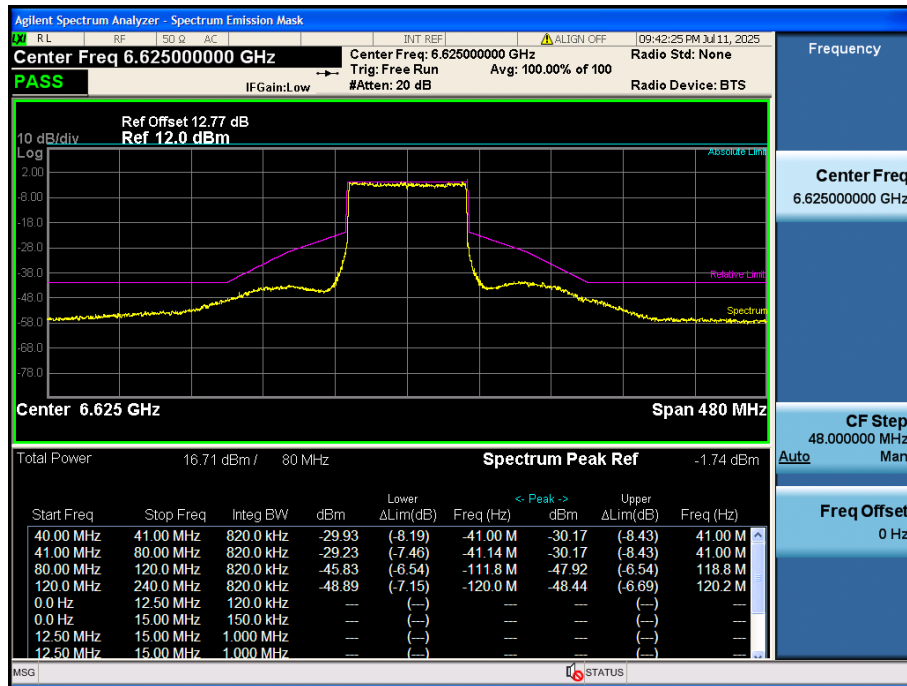
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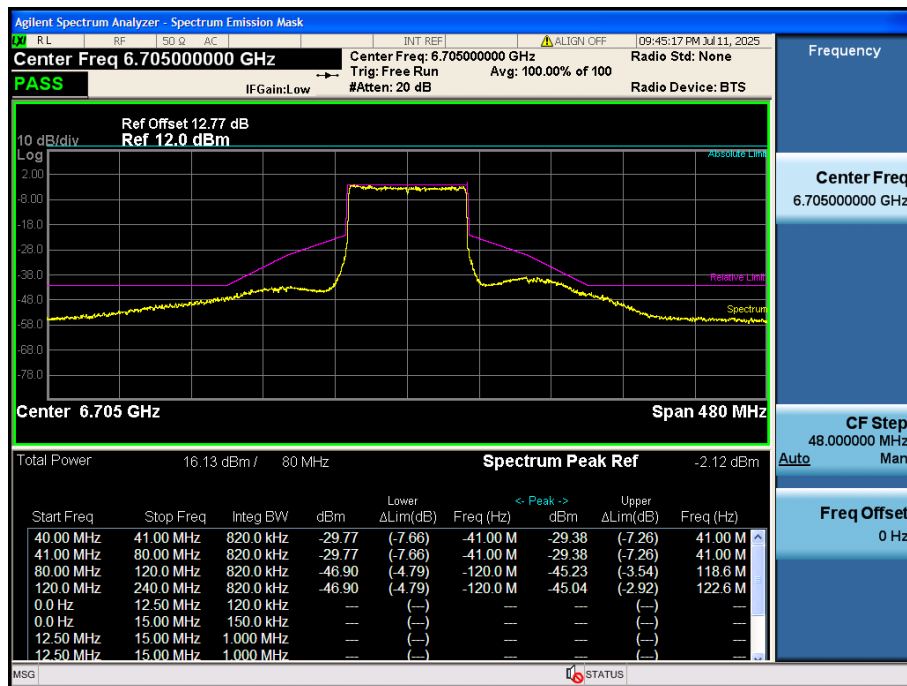
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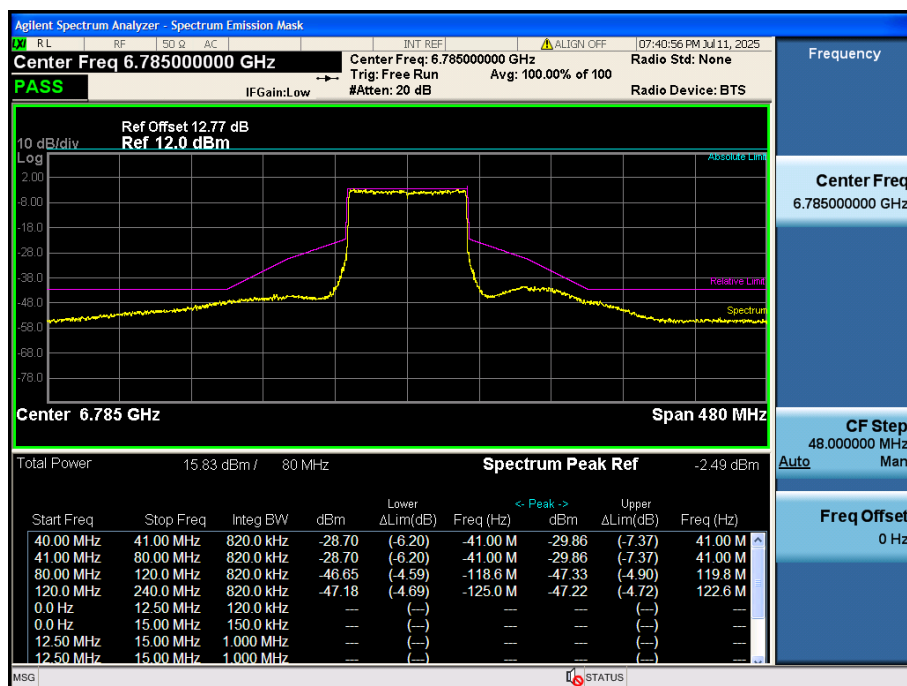
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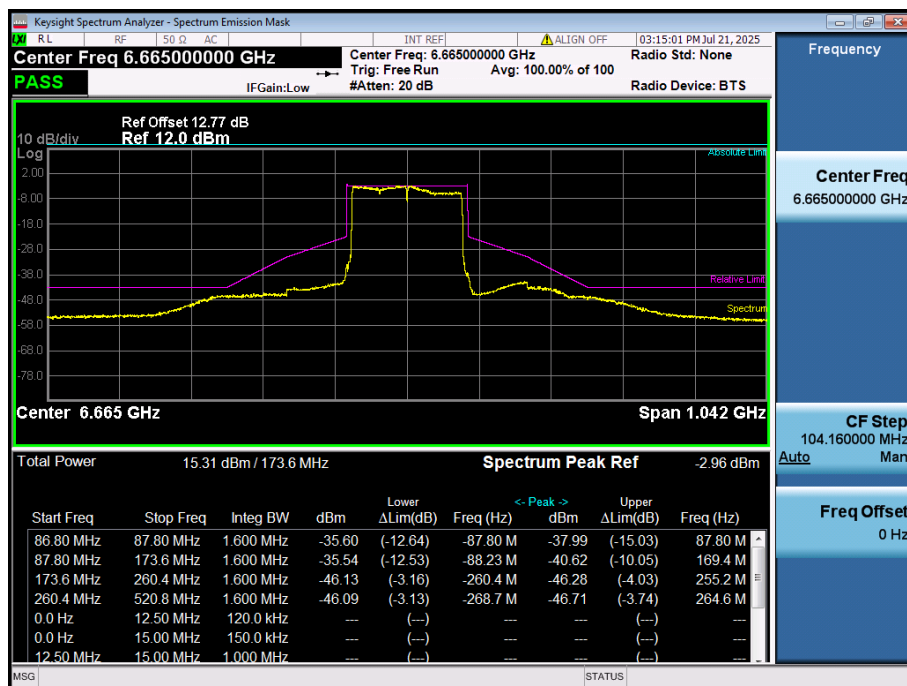
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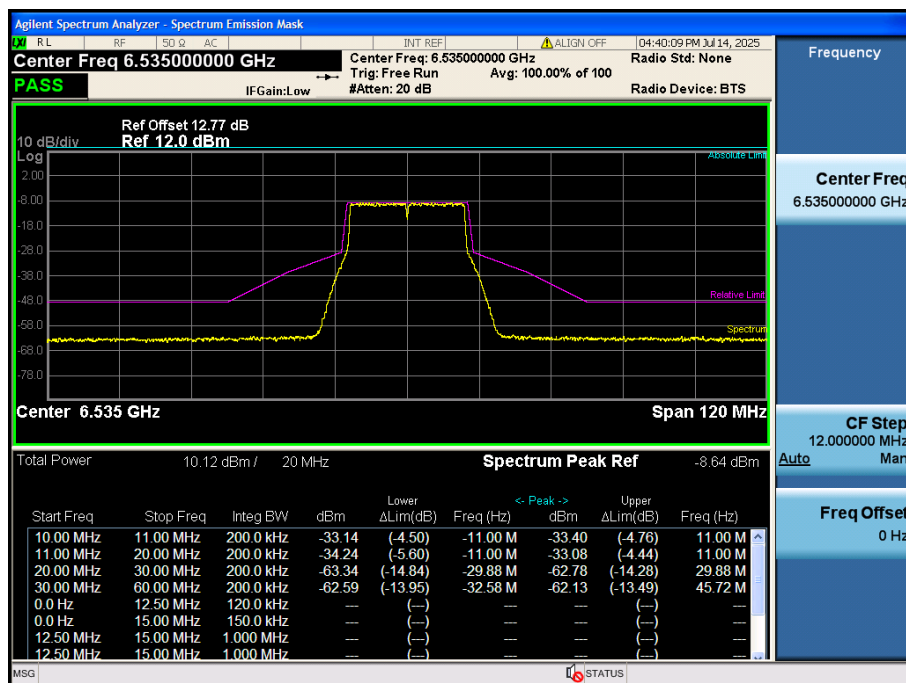
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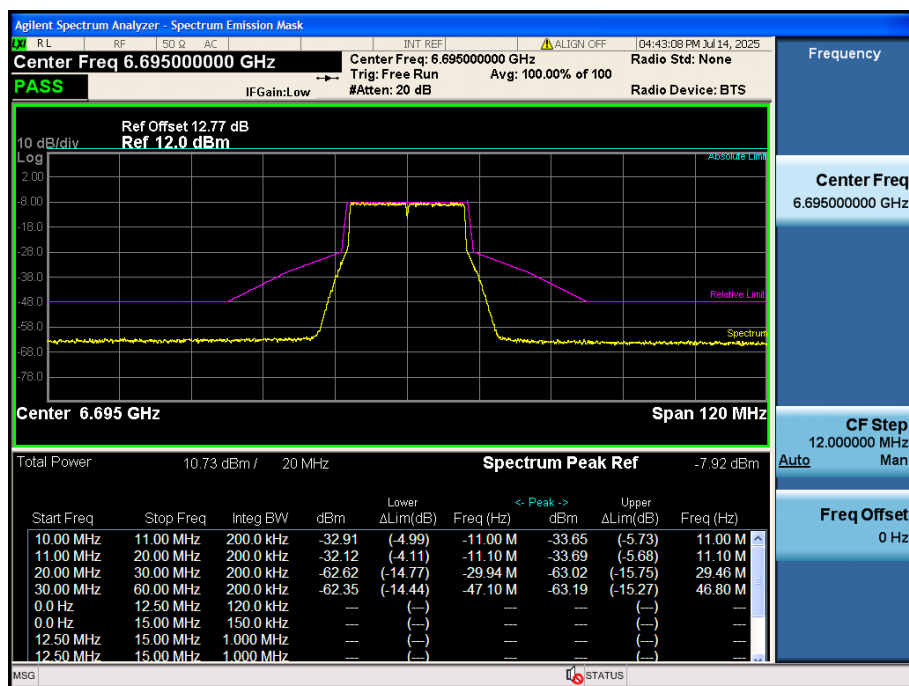
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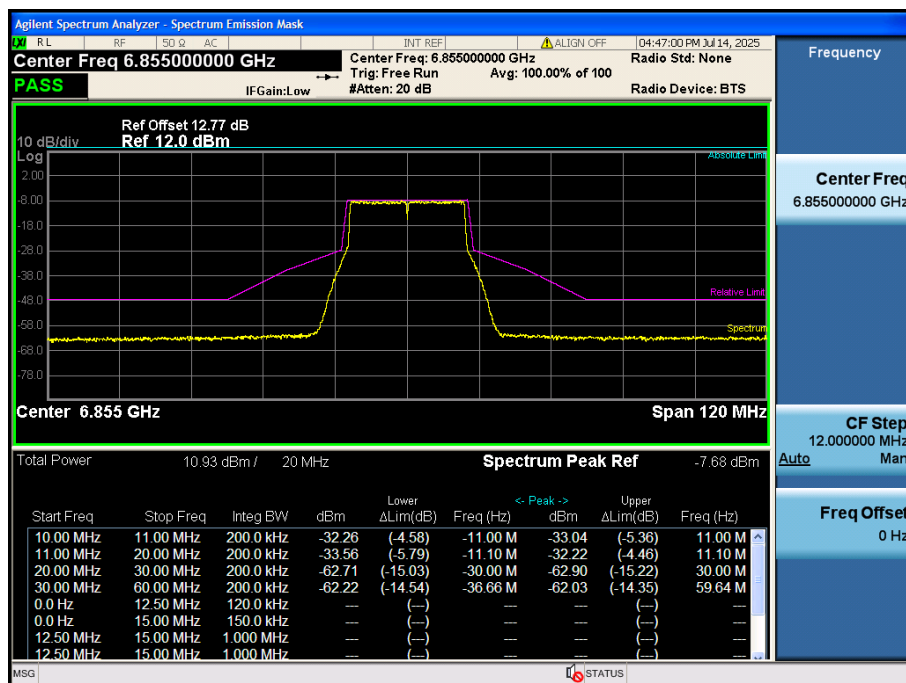
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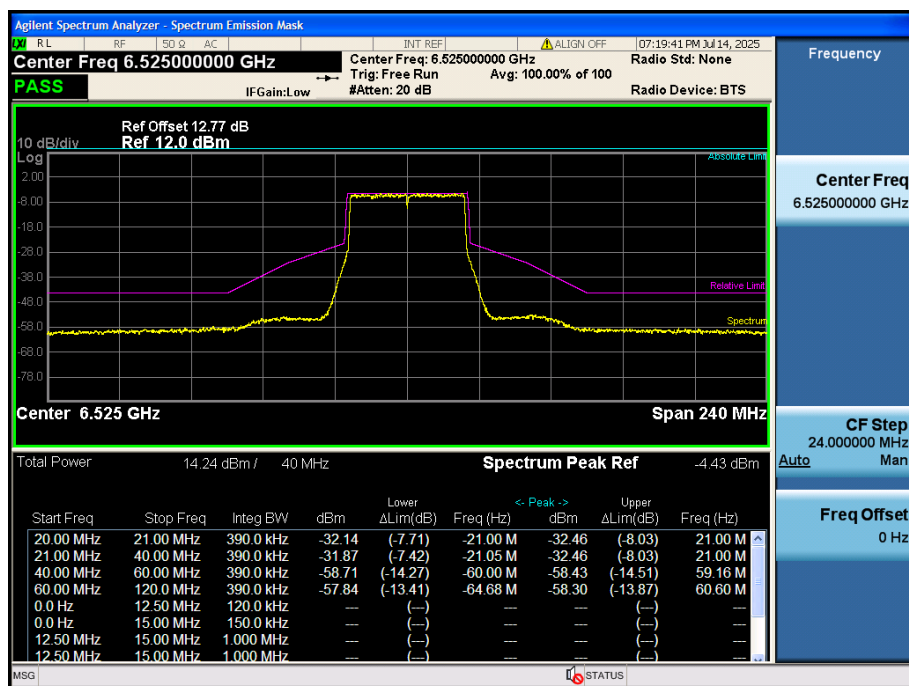
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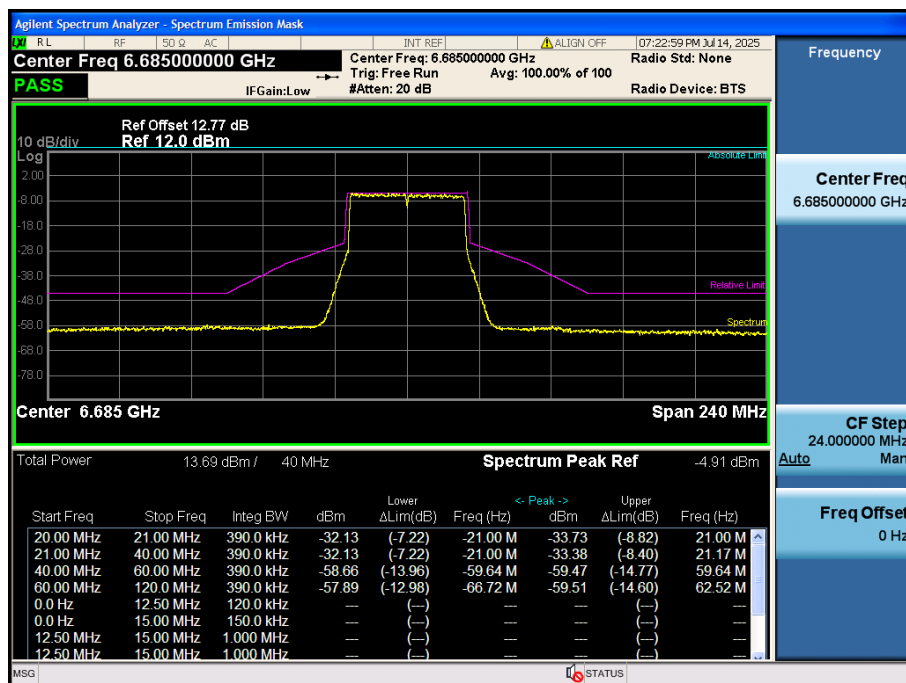
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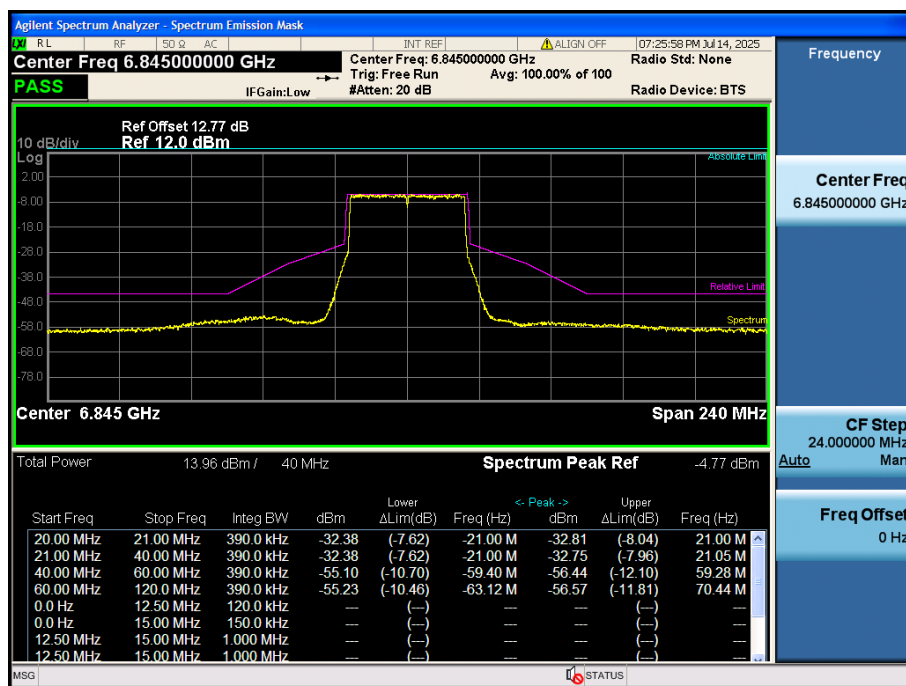
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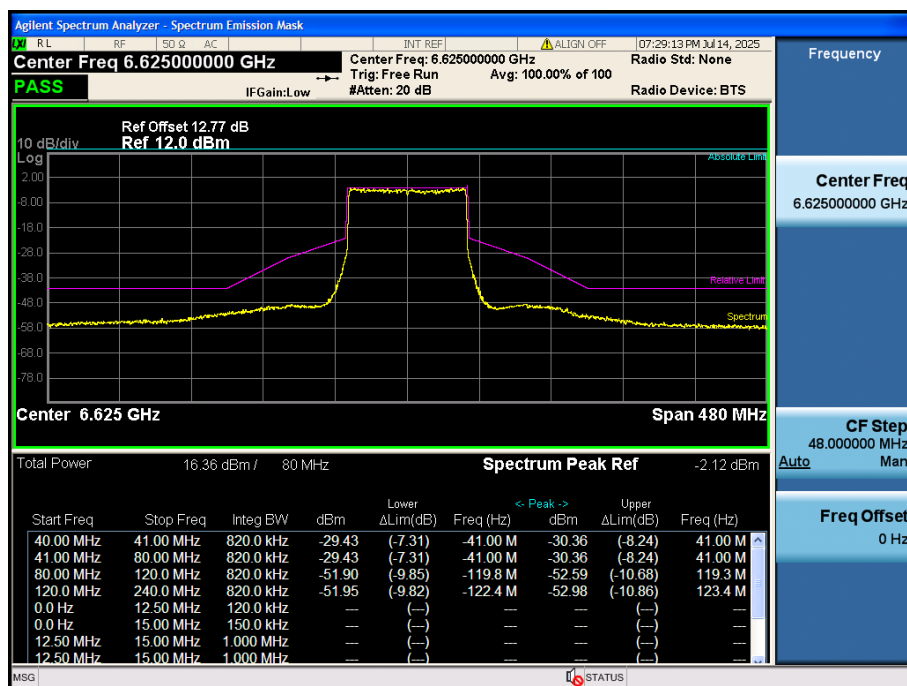
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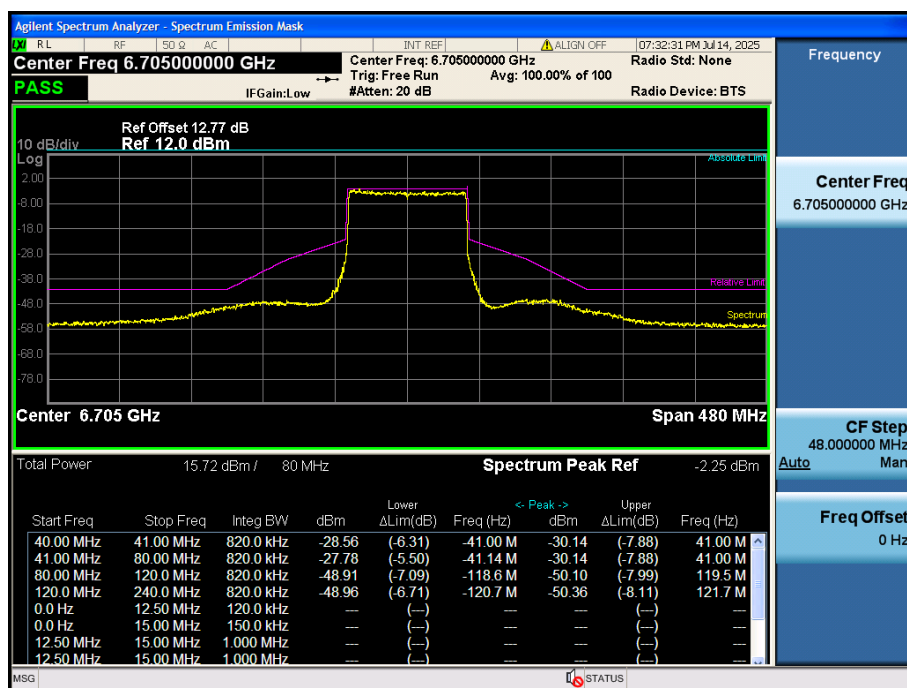
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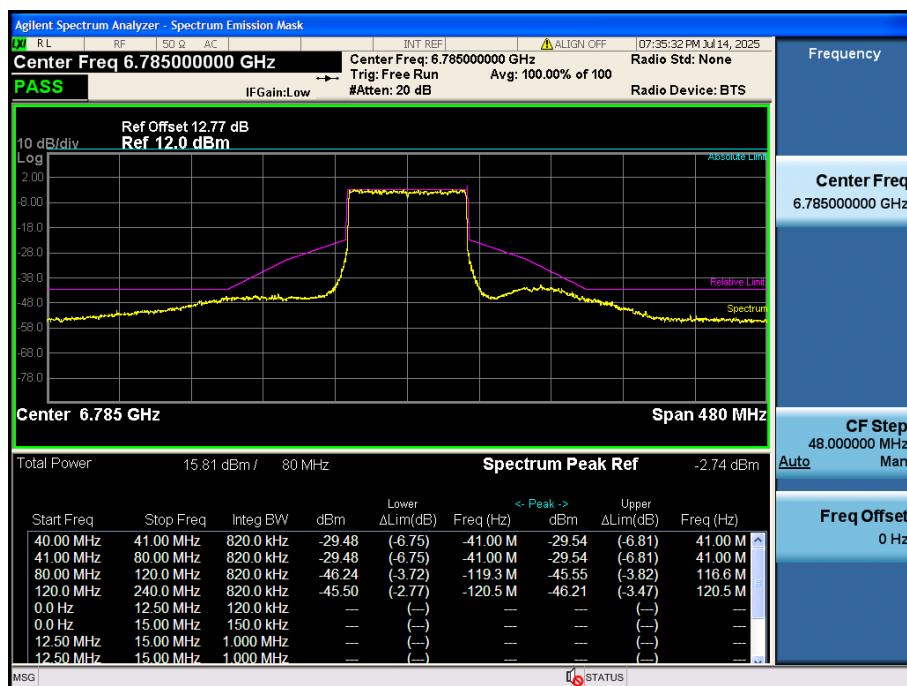
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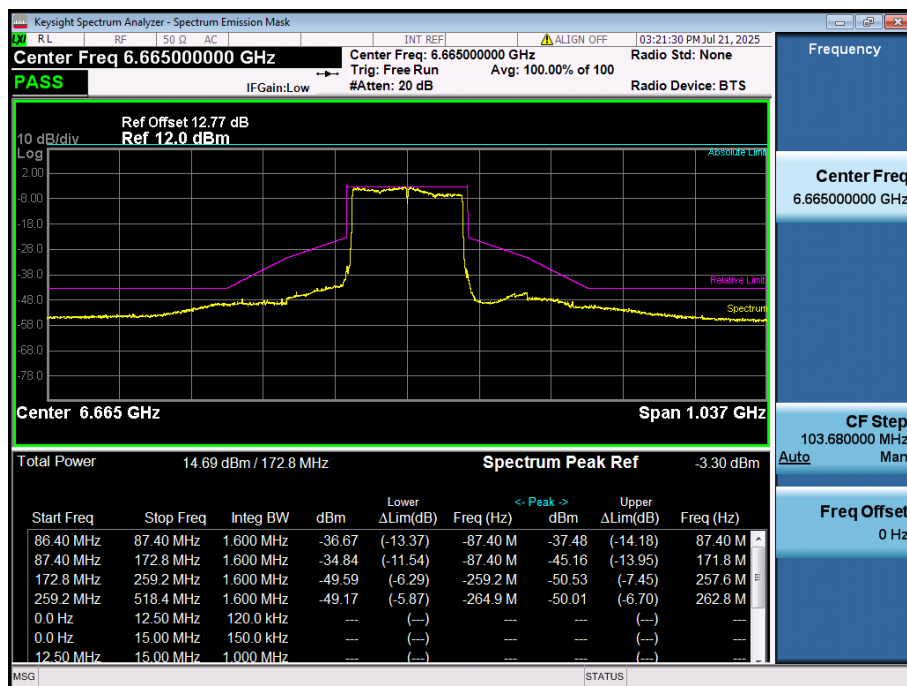
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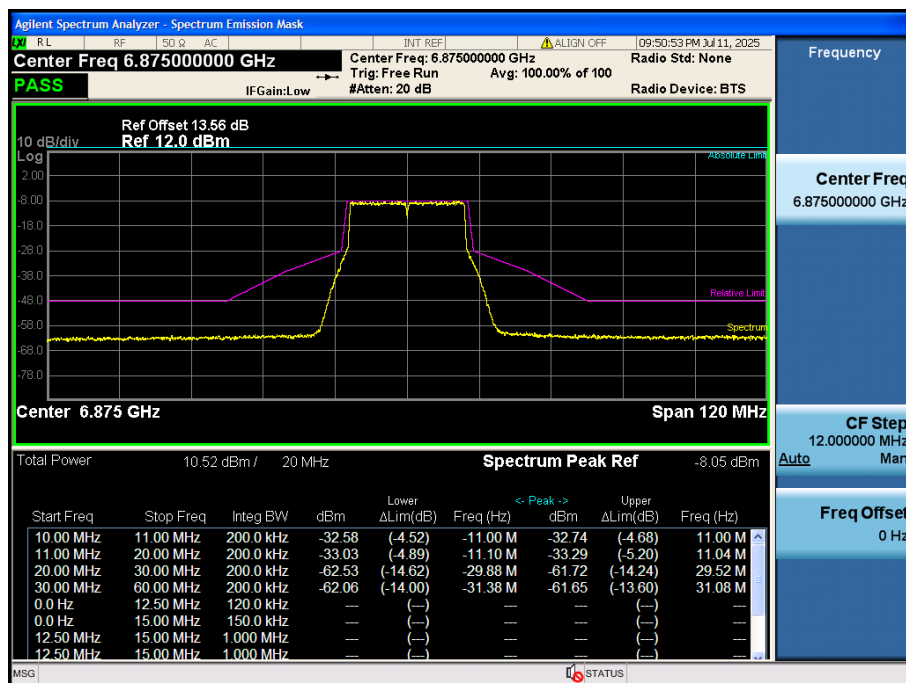
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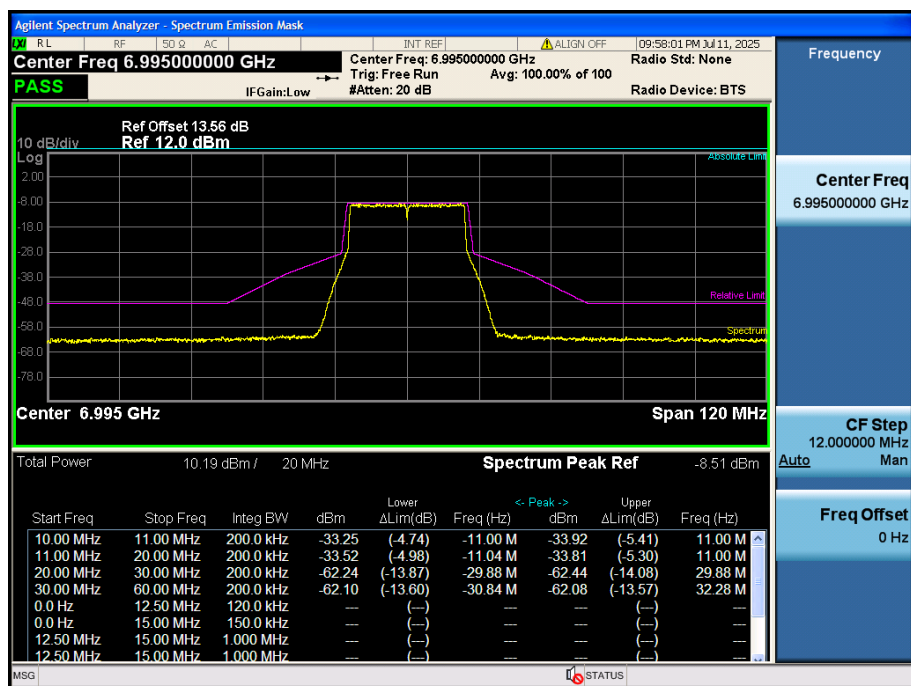
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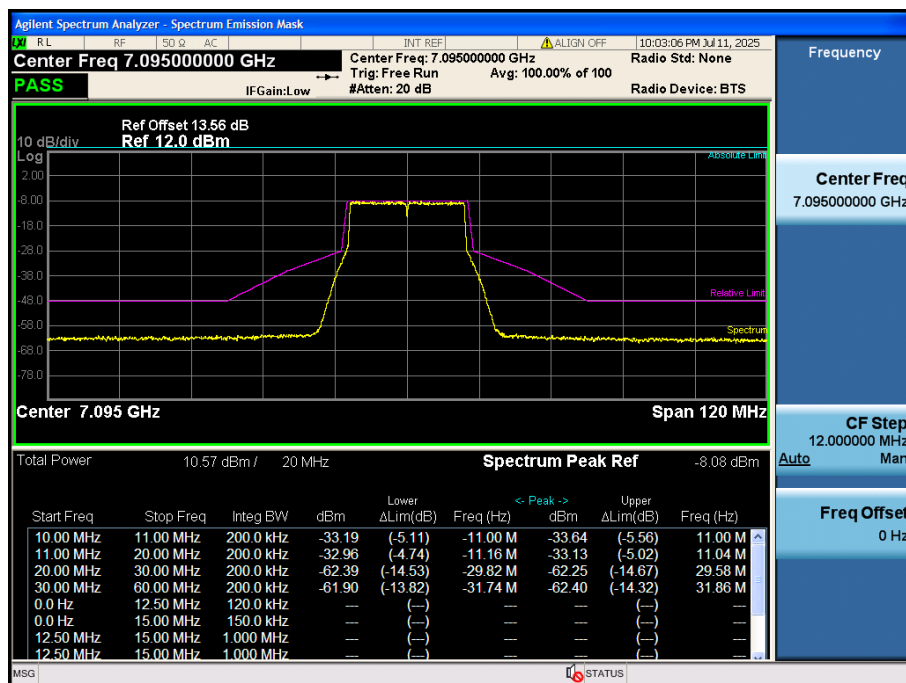
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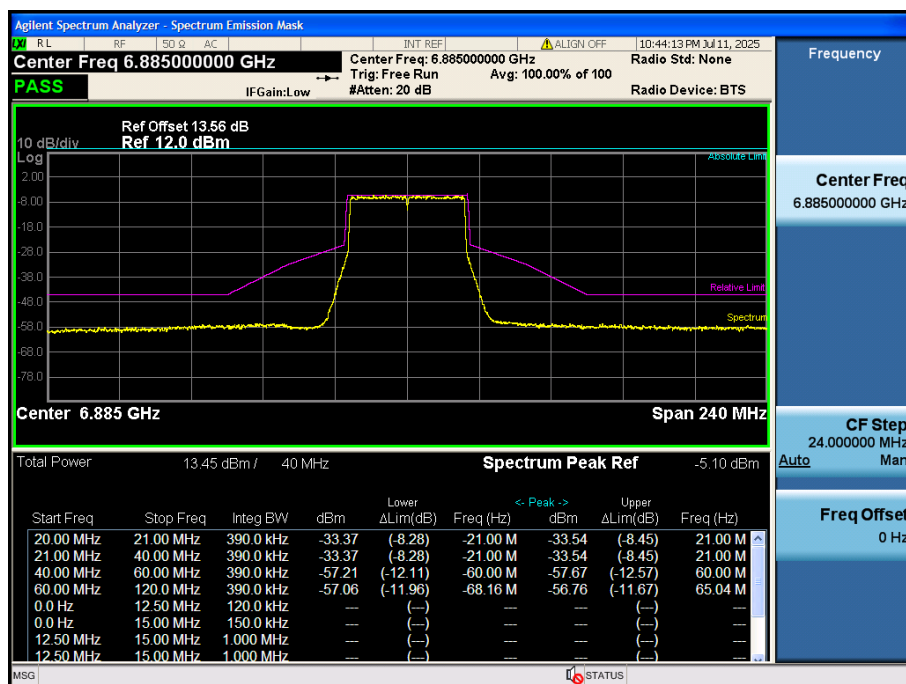
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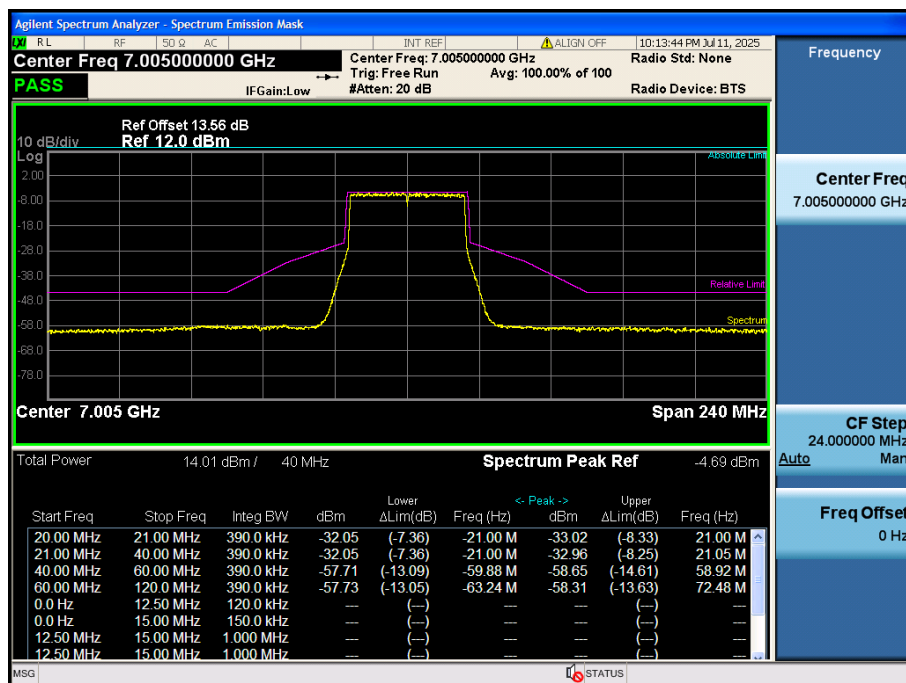
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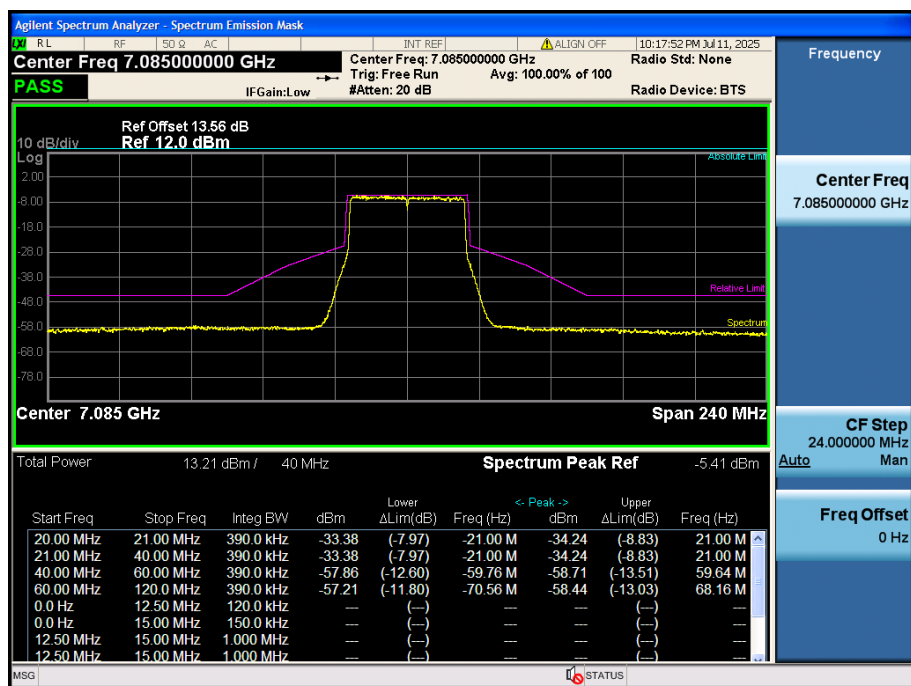
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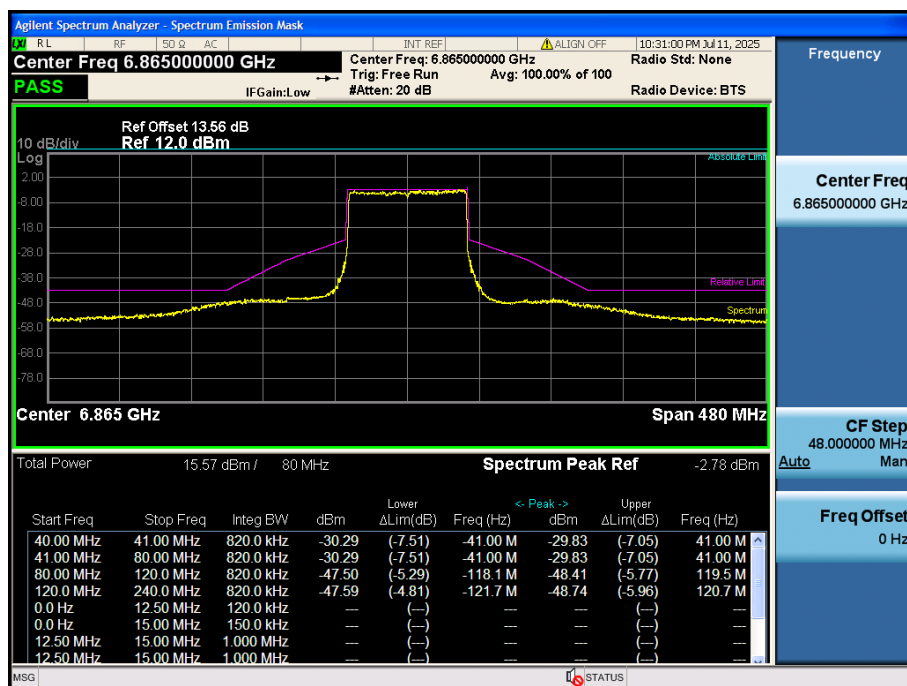
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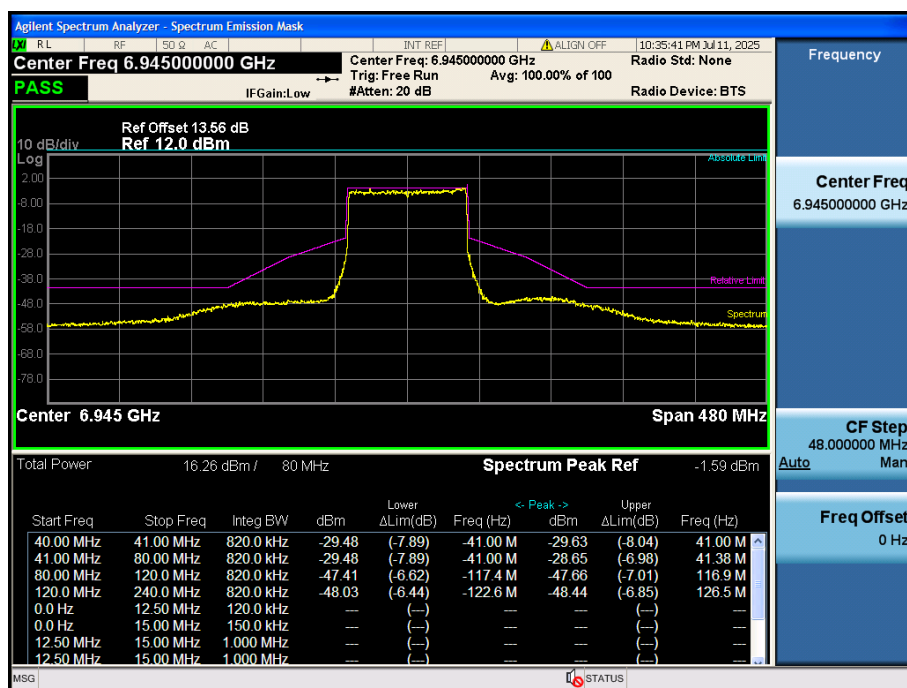
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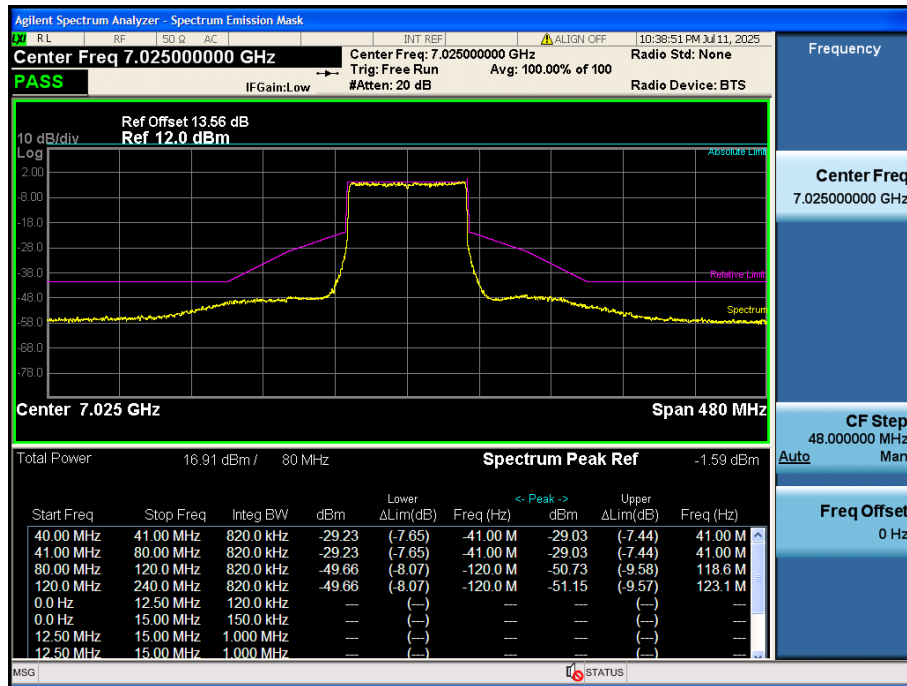
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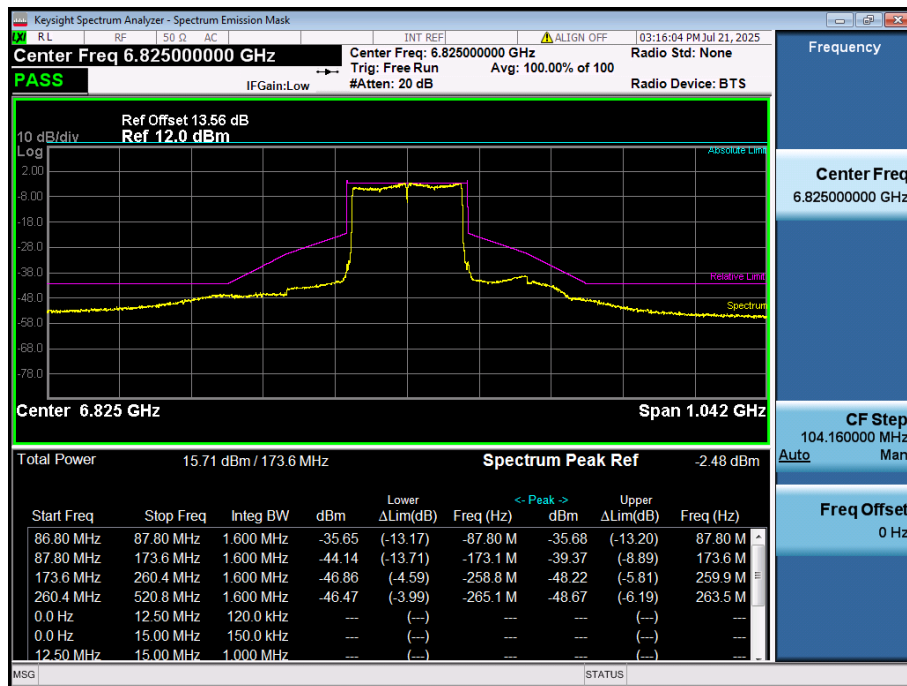
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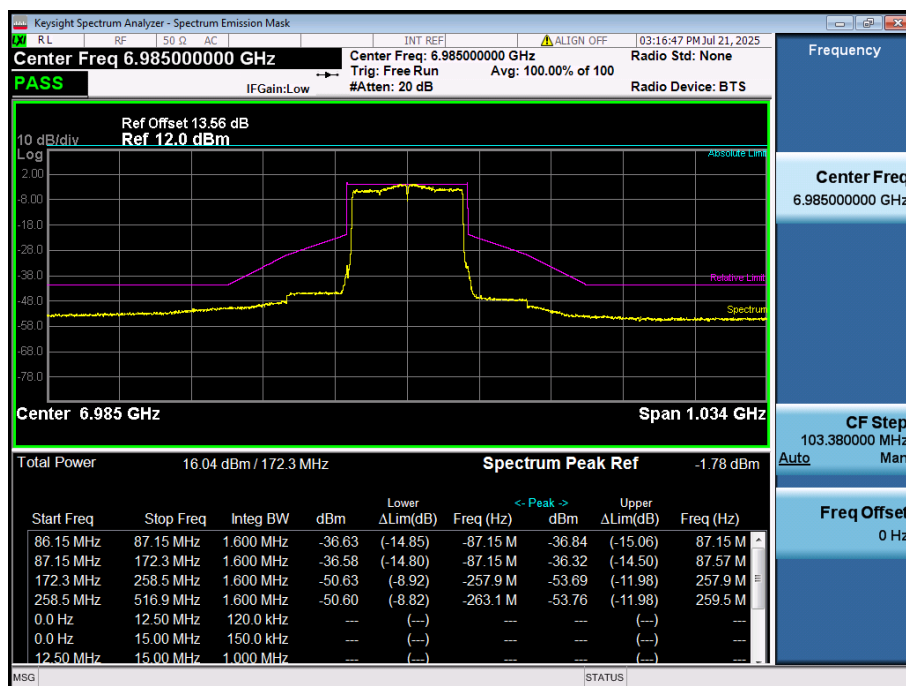
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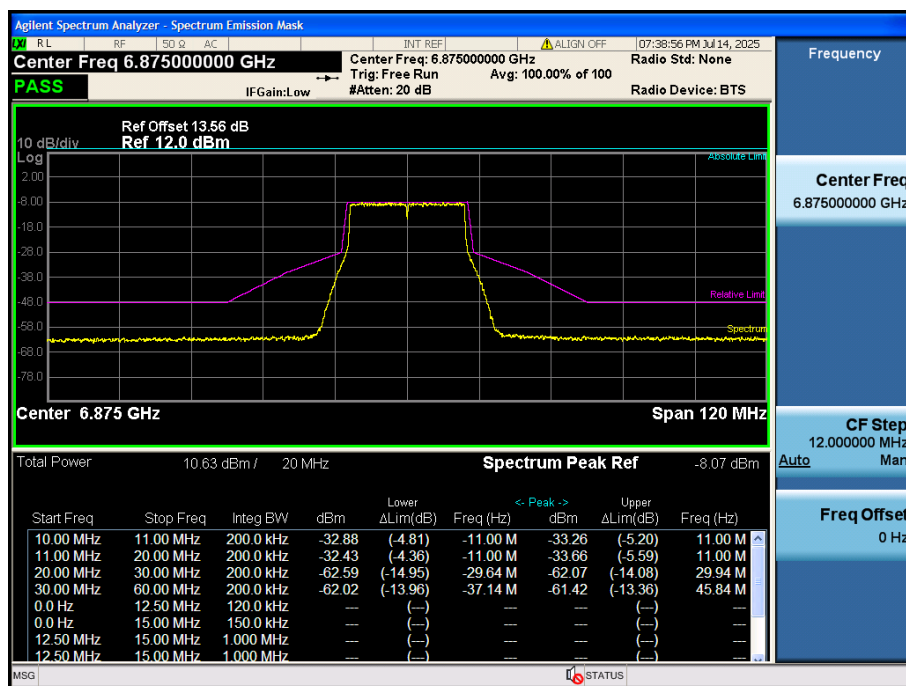
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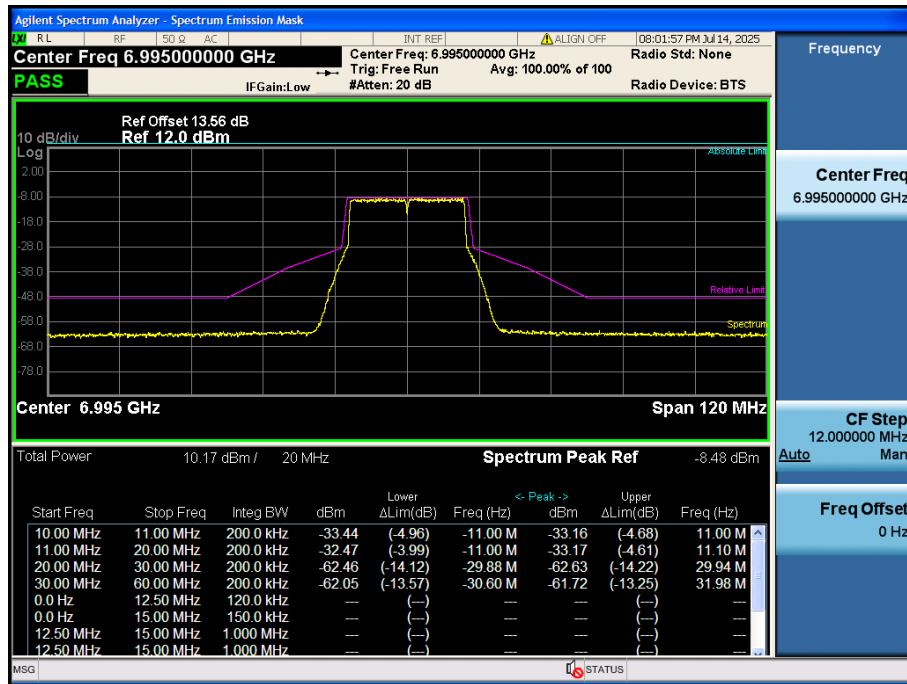
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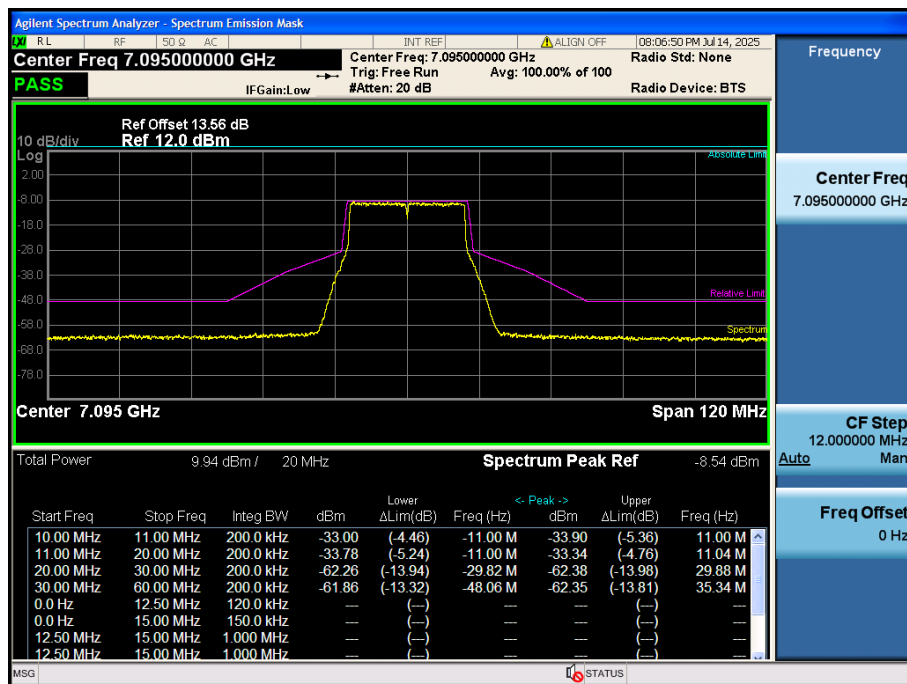
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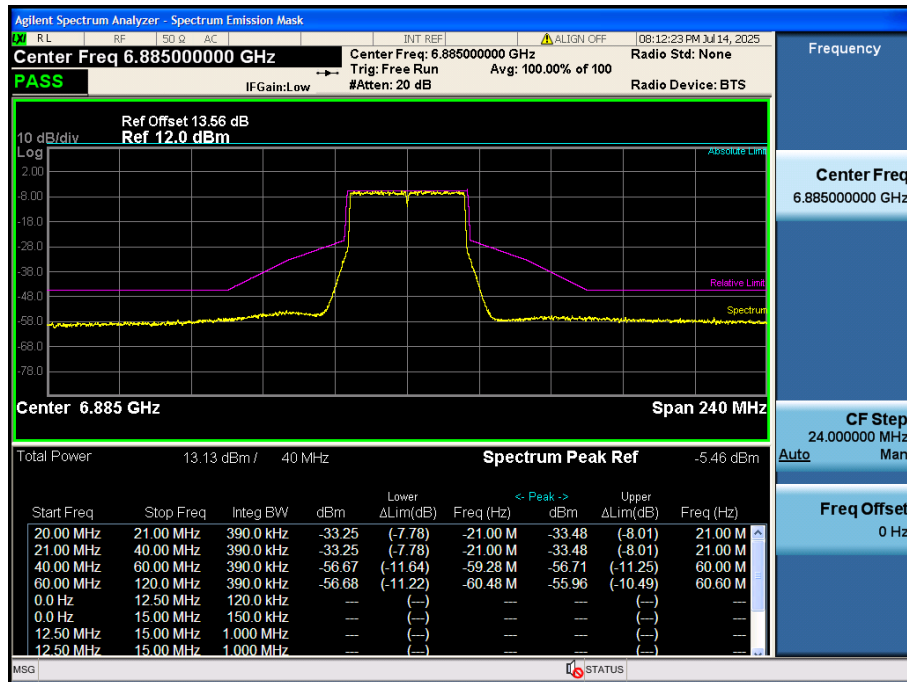
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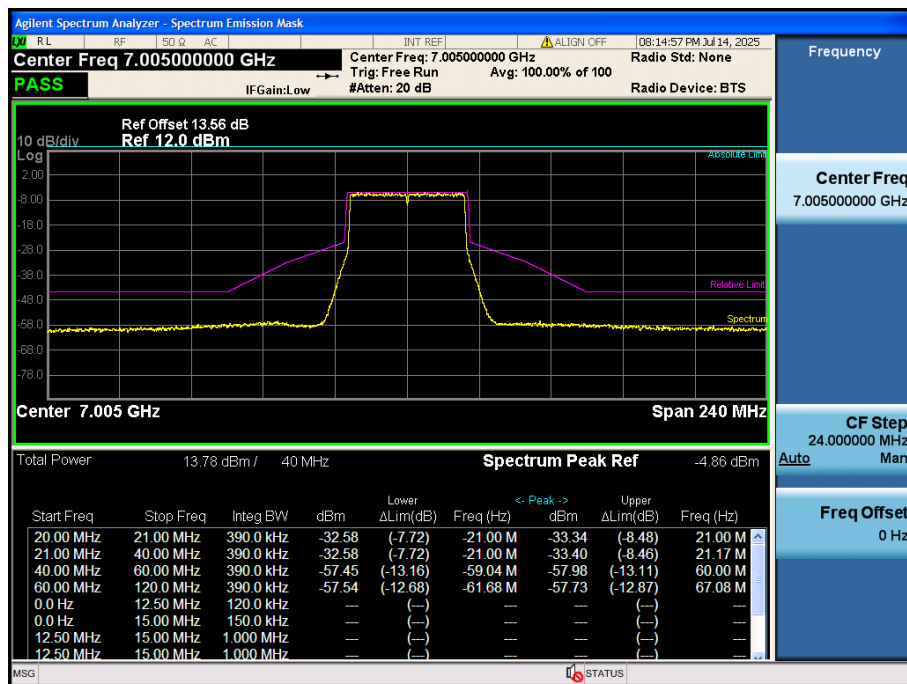
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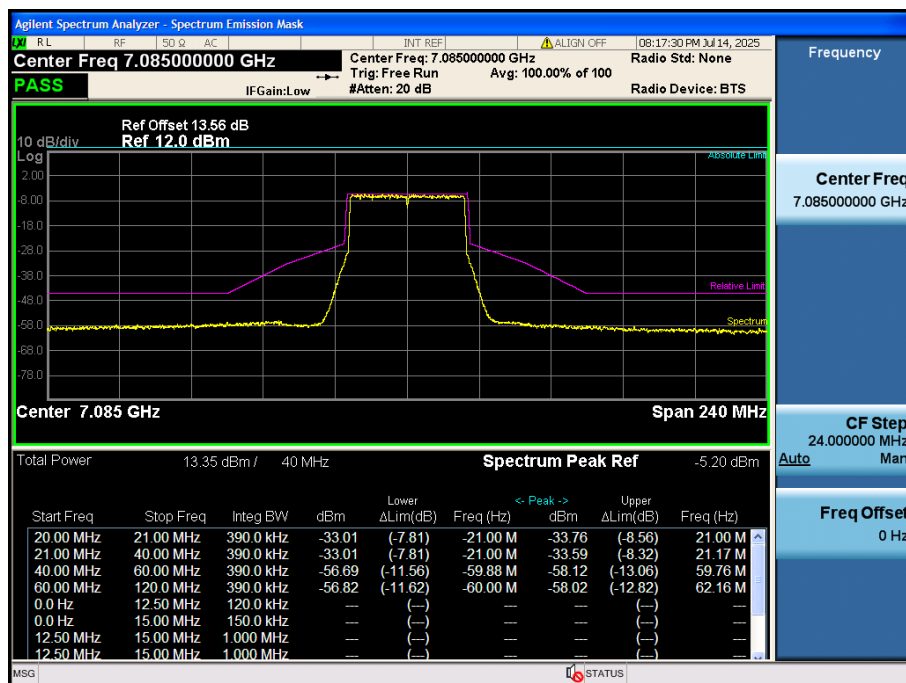
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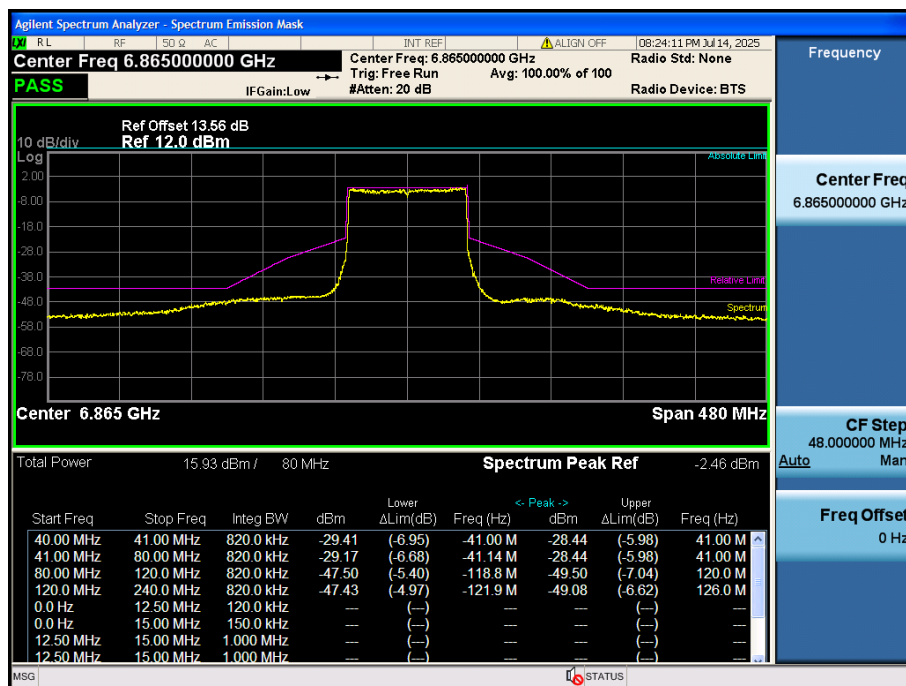
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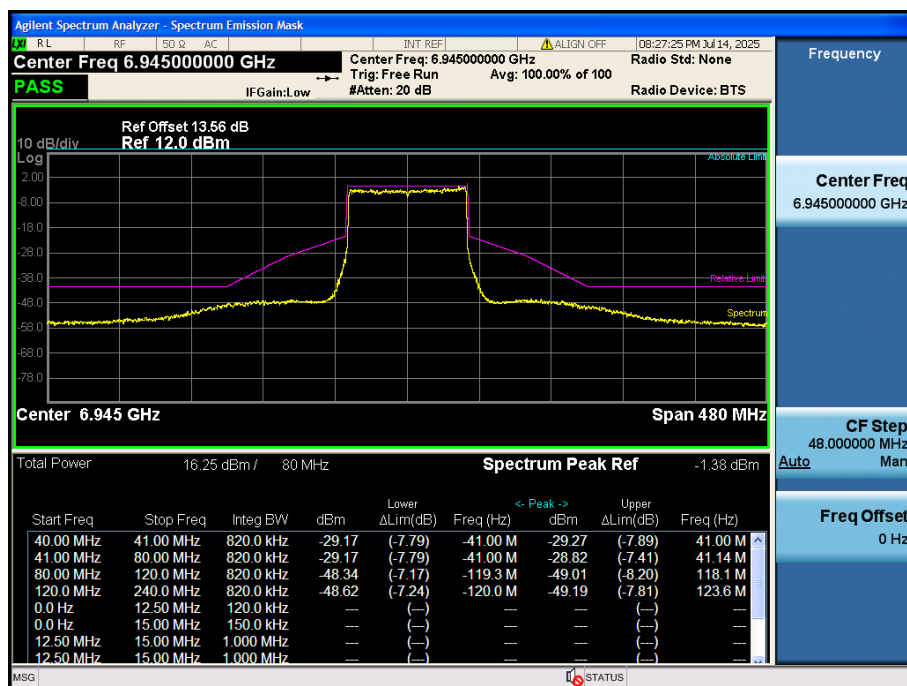
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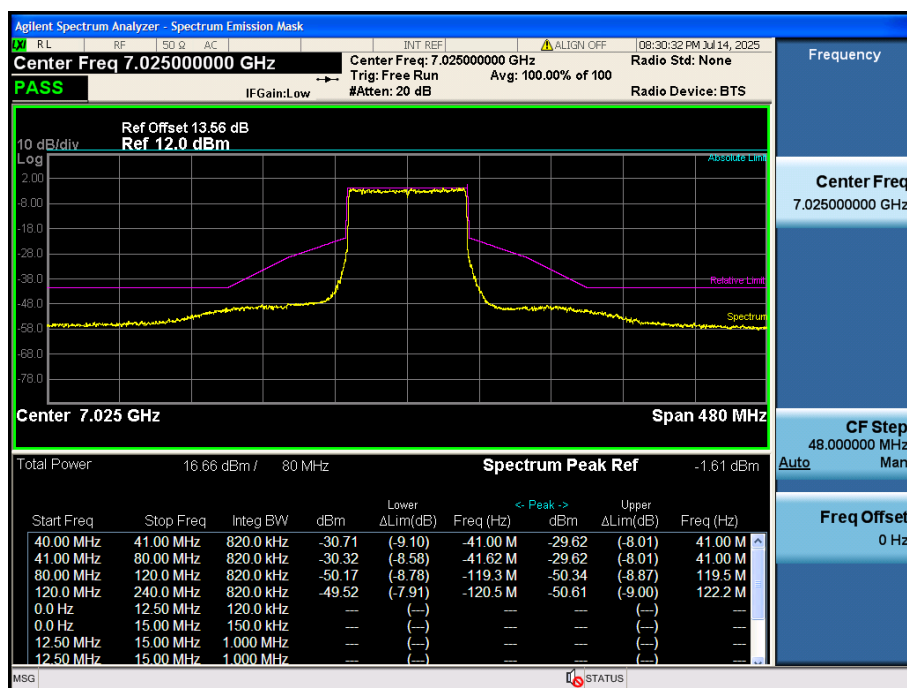
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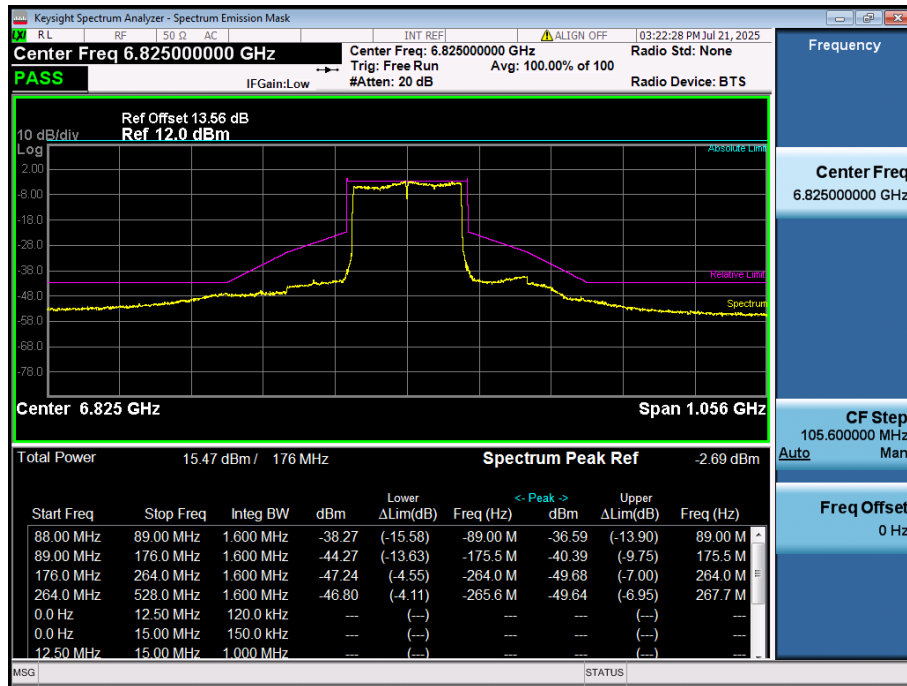
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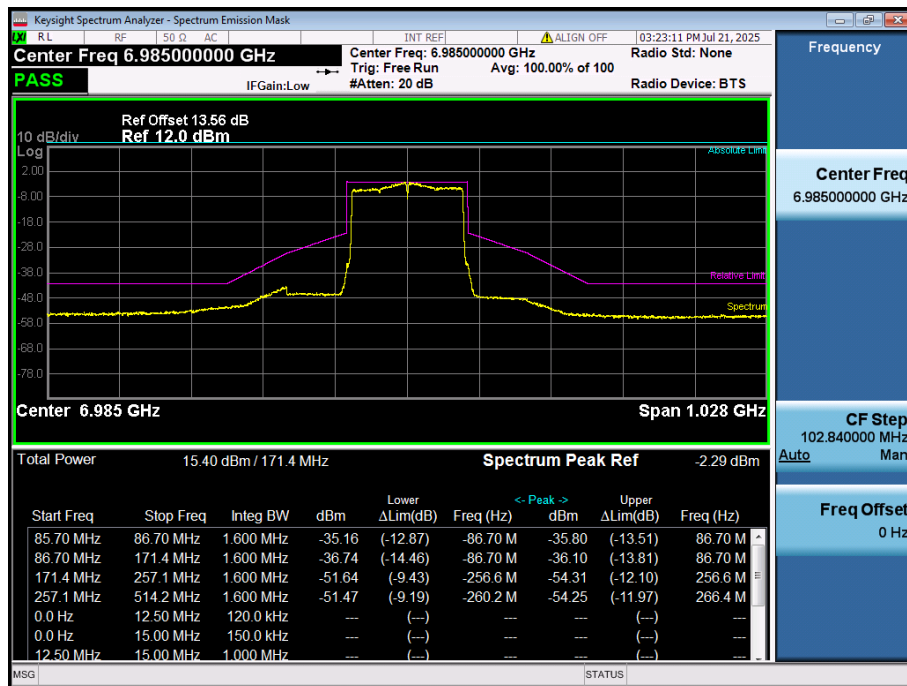
11be80(SU), U-NII-8, High Channel



11be160(SU), U-NII-8, Low Channel



11be160(SU), U-NII-8, High Channel



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2561484-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2561484-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2561484-AI.PDF”.

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