

Appendix C-Out-of-bandout-of-block emissions

Test Data:

TDD LTE Band 48 _ Low Channel						
Signal Input	Signal Level	Signal Type	Test Range (MHz)	Worst Test Level (dBm)	Limit (dBm)	Result
One	Pre-AGC	AWGN	3530.0 ~ 3545.0	-48.60	-31.02	Pass
			3545.0 ~ 3550.0	-40.60	-19.02	Pass
			3555.0 ~ 3560.0	-39.60	-19.02	Pass
			3560.0 ~ 3720.0	-41.17	-31.02	Pass
		GSM	3530.0 ~ 3549.7	-43.82	-31.02	Pass
			3549.7 ~ 3549.9	-28.45	-19.02	Pass
			3550.1 ~ 3550.3	-23.56	-19.02	Pass
			3550.3 ~ 3720.0	-42.96	-31.02	Pass
	3dB Above AGC	AWGN	3530.0 ~ 3545.0	-49.28	-31.02	Pass
			3545.0 ~ 3550.0	-38.50	-19.02	Pass
			3555.0 ~ 3560.0	-38.35	-19.02	Pass
			3560.0 ~ 3720.0	-41.21	-31.02	Pass
		GSM	3530.0 ~ 3549.7	-44.01	-31.02	Pass
			3549.7 ~ 3549.9	-31.67	-19.02	Pass
			3550.1 ~ 3550.3	-25.25	-19.02	Pass
			3550.3 ~ 3720.0	-42.76	-31.02	Pass
Two	Pre-AGC	AWGN	3530.0 ~ 3545.0	-48.36	-31.02	Pass
			3545.0 ~ 3550.0	-38.42	-19.02	Pass
			3555.0 ~ 3560.0	-38.63	-19.02	Pass
			3560.0 ~ 3720.0	-41.24	-31.02	Pass
		GSM	3530.0 ~ 3549.7	-44.02	-31.02	Pass
			3549.7 ~ 3549.9	-29.41	-19.02	Pass
			3550.1 ~ 3550.3	-22.90	-19.02	Pass
			3550.3 ~ 3720.0	-42.99	-31.02	Pass
	3dB Above AGC	AWGN	3530.0 ~ 3545.0	-46.56	-31.02	Pass
			3545.0 ~ 3550.0	-38.22	-19.02	Pass
			3555.0 ~ 3560.0	-38.08	-19.02	Pass
			3560.0 ~ 3720.0	-41.37	-31.02	Pass
		GSM	3530.0 ~ 3549.7	-43.94	-31.02	Pass
			3549.7 ~ 3549.9	-30.53	-19.02	Pass
			3550.1 ~ 3550.3	-20.08	-19.02	Pass
			3550.3 ~ 3720.0	-43.02	-31.02	Pass

Note: This EUT supports 4*4 MIMO, since we only presented the results of a test port of the worst, so we subtract the limit $10 * \log(4)$.



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TDD LTE Band 48 _ Middle Channel						
Signal Input	Signal Level	Signal Type	Test Range (MHz)	Worst Test Level (dBm)	Limit (dBm)	Result
One	Pre-AGC	AWGN	3530.0 ~ 3617.5	-44.74	-31.02	Pass
			3617.5 ~ 3622.5	-40.16	-19.02	Pass
			3627.5 ~ 3632.5	-41.52	-19.02	Pass
			3632.5 ~ 3720.0	-44.39	-31.02	Pass
		GSM	3530.0 ~ 3624.7	-43.47	-31.02	Pass
			3624.7 ~ 3624.9	-26.59	-19.02	Pass
			3625.1 ~ 3625.3	-22.30	-19.02	Pass
			3625.3 ~ 3720.0	-43.60	-31.02	Pass
	3dB Above AGC	AWGN	3530.0 ~ 3617.5	-36.38	-31.02	Pass
			3617.5 ~ 3622.5	-38.76	-19.02	Pass
			3627.5 ~ 3632.5	-39.15	-19.02	Pass
			3632.5 ~ 3720.0	-41.61	-31.02	Pass
		GSM	3530.0 ~ 3624.7	-43.46	-31.02	Pass
			3624.7 ~ 3624.9	-28.23	-19.02	Pass
			3625.1 ~ 3625.3	-24.67	-19.02	Pass
			3625.3 ~ 3720.0	-43.61	-31.02	Pass
Two	Pre-AGC	AWGN	3530.0 ~ 3617.5	-42.12	-31.02	Pass
			3617.5 ~ 3622.5	-38.81	-19.02	Pass
			3627.5 ~ 3632.5	-39.64	-19.02	Pass
			3632.5 ~ 3720.0	-42.80	-31.02	Pass
		GSM	3530.0 ~ 3624.7	-43.56	-31.02	Pass
			3624.7 ~ 3624.9	-29.38	-19.02	Pass
			3625.1 ~ 3625.3	-28.30	-19.02	Pass
			3625.3 ~ 3720.0	-43.77	-31.02	Pass
	3dB Above AGC	AWGN	3530.0 ~ 3617.5	-37.88	-31.02	Pass
			3617.5 ~ 3622.5	-38.38	-19.02	Pass
			3627.5 ~ 3632.5	-39.96	-19.02	Pass
			3632.5 ~ 3720.0	-42.38	-31.02	Pass
		GSM	3530.0 ~ 3624.7	-43.63	-31.02	Pass
			3624.7 ~ 3624.9	-36.09	-19.02	Pass
			3625.1 ~ 3625.3	-22.22	-19.02	Pass
			3625.3 ~ 3720.0	-43.66	-31.02	Pass

Note: This EUT supports 4*4 MIMO, since we only presented the results of a test port of the worst, so we subtract the limit $10 * \log(4)$.



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TDD LTE Band 48 _ High Channel						
Signal Input	Signal Level	Signal Type	Test Range (MHz)	Worst Test Level (dBm)	Limit (dBm)	Result
One	Pre-AGC	AWGN	3530.0 ~ 3690.0	-43.44	-31.02	Pass
			3690.0 ~ 3695.0	-41.94	-19.02	Pass
			3700.0 ~ 3705.0	-42.81	-19.02	Pass
			3705.0 ~ 3720.0	-47.10	-31.02	Pass
		GSM	3530.0 ~ 3699.7	-35.72	-31.02	Pass
			3699.7 ~ 3699.9	-29.14	-19.02	Pass
			3700.1 ~ 3700.3	-25.15	-19.02	Pass
			3700.3 ~ 3720.0	-42.53	-31.02	Pass
	3dB Above AGC	AWGN	3530.0 ~ 3690.0	-42.32	-31.02	Pass
			3690.0 ~ 3695.0	-40.80	-19.02	Pass
			3700.0 ~ 3705.0	-40.99	-19.02	Pass
			3705.0 ~ 3720.0	-46.84	-31.02	Pass
		GSM	3530.0 ~ 3699.7	-42.57	-31.02	Pass
			3699.7 ~ 3699.9	-23.47	-19.02	Pass
			3700.1 ~ 3700.3	-23.53	-19.02	Pass
			3700.3 ~ 3720.0	-43.32	-31.02	Pass
Two	Pre-AGC	AWGN	3530.0 ~ 3690.0	-38.84	-31.02	Pass
			3690.0 ~ 3695.0	-40.86	-19.02	Pass
			3700.0 ~ 3705.0	-40.73	-19.02	Pass
			3705.0 ~ 3720.0	-43.76	-31.02	Pass
		GSM	3530.0 ~ 3699.7	-35.61	-31.02	Pass
			3699.7 ~ 3699.9	-25.28	-19.02	Pass
			3700.1 ~ 3700.3	-20.01	-19.02	Pass
			3700.3 ~ 3720.0	-42.36	-31.02	Pass
	3dB Above AGC	AWGN	3530.0 ~ 3690.0	-41.88	-31.02	Pass
			3690.0 ~ 3695.0	-40.42	-19.02	Pass
			3700.0 ~ 3705.0	-40.61	-19.02	Pass
			3705.0 ~ 3720.0	-45.12	-31.02	Pass
		GSM	3530.0 ~ 3699.7	-42.56	-31.02	Pass
			3699.7 ~ 3699.9	-33.80	-19.02	Pass
			3700.1 ~ 3700.3	-22.19	-19.02	Pass
			3700.3 ~ 3720.0	-43.26	-31.02	Pass

Note: This EUT supports 4*4 MIMO, since we only presented the results of a test port of the worst, so we subtract the limit $10 * \log(4)$.



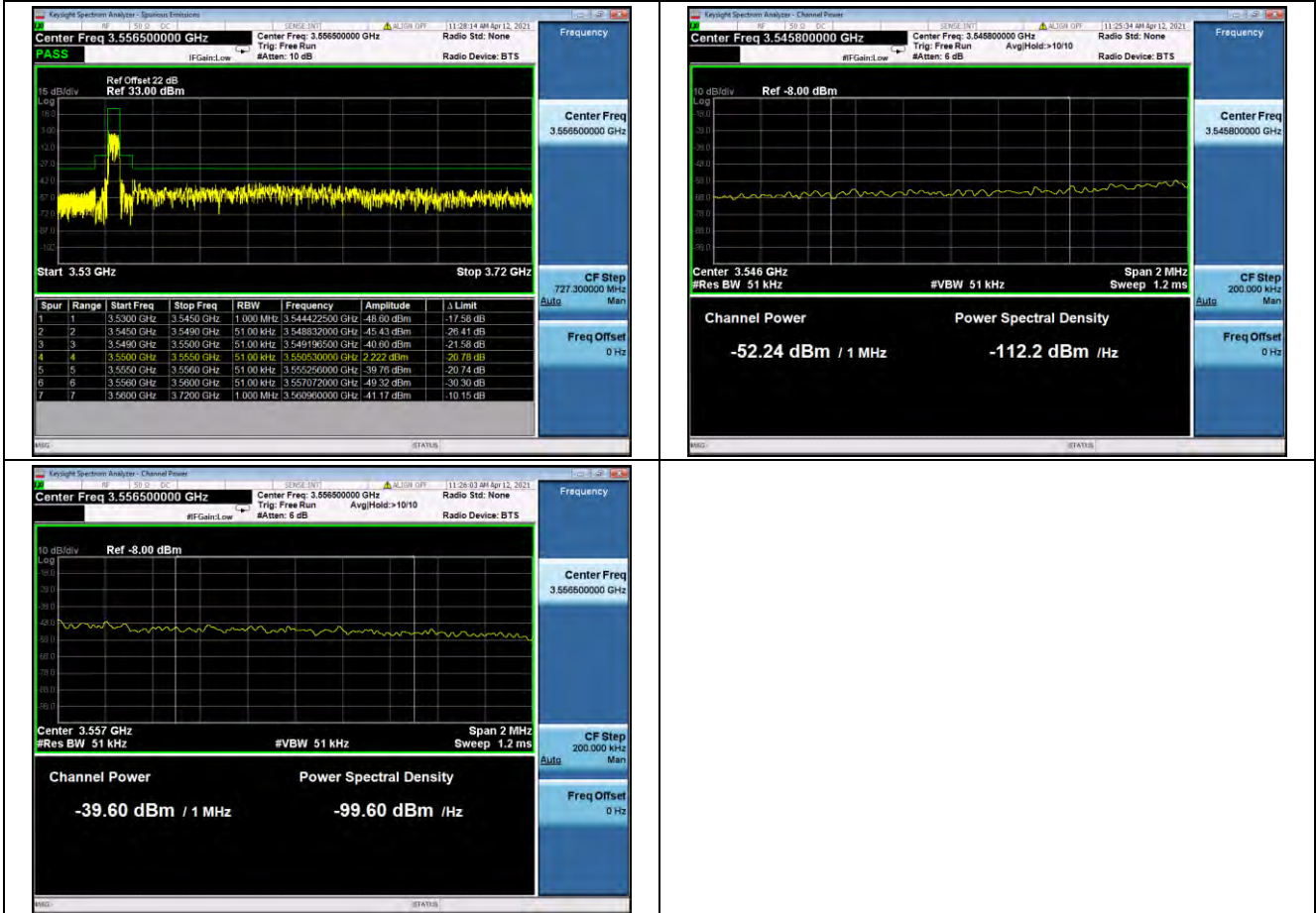
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TDD LTE Band 48 _ AWGN _ Pre AGC _ One signal input _ Low Channel

Frequency range 3545MHz-3549MHz and 3556MHz-3560MHz were measured with RBW 51kHz; the channel power of 1MHz was measured and passed as below.



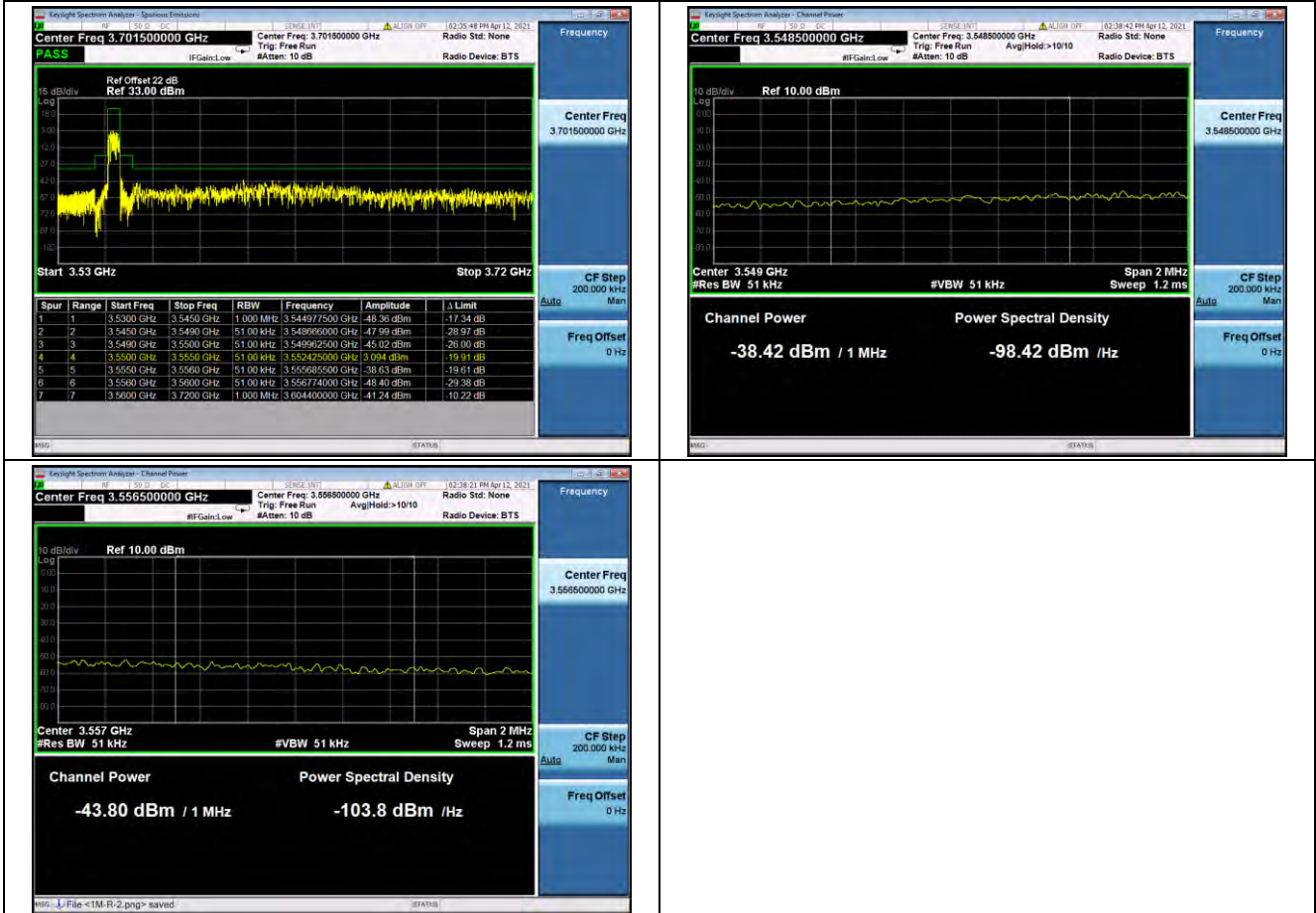
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TDD LTE Band 48 _ AWGN _ Pre AGC _ Two signal input _ Low Channel

Frequency range 3545MHz-3549MHz and 3556MHz-3560MHz were measured with RBW 51kHz; the channel power of 1MHz was measured and passed as below.



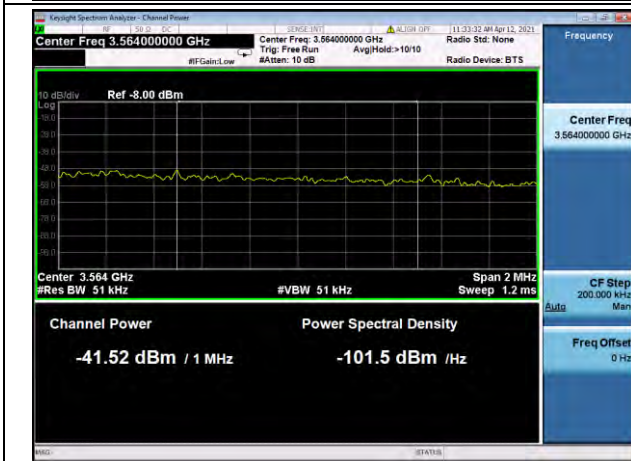
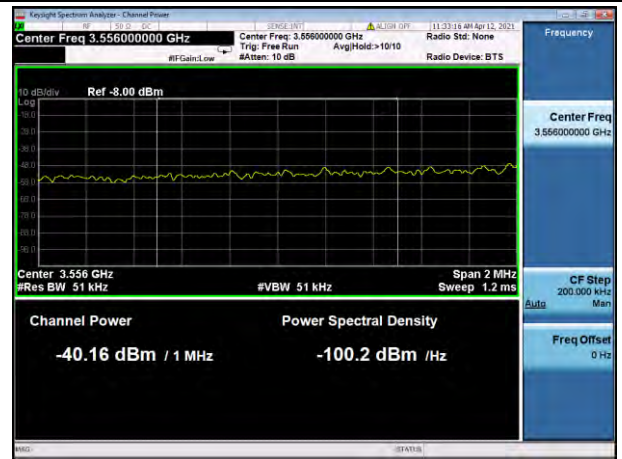
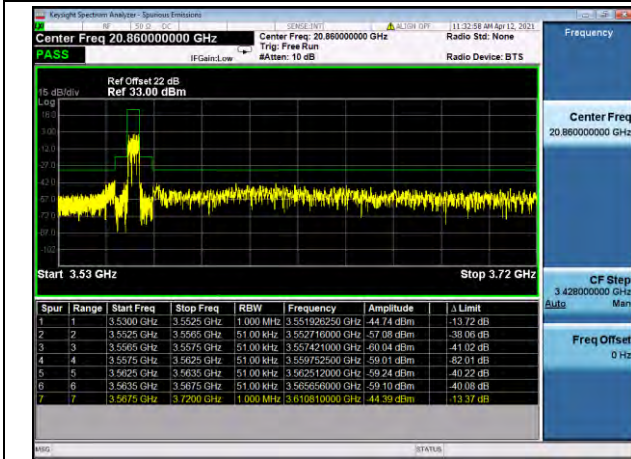
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TDD LTE Band 48 _ AWGN _ Pre AGC _ One signal input _ Middle Channel

Frequency range 3552.5MHz-3556.5MHz and 3563.5MHz-3567.5MHz were measured with RBW 51kHz; the channel power of 1MHz was measured and passed as below.



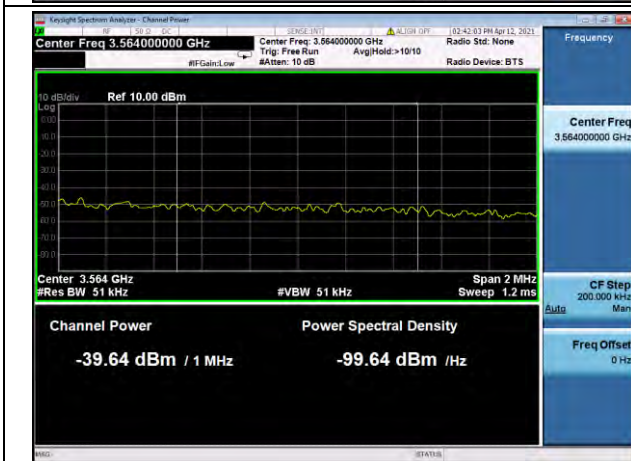
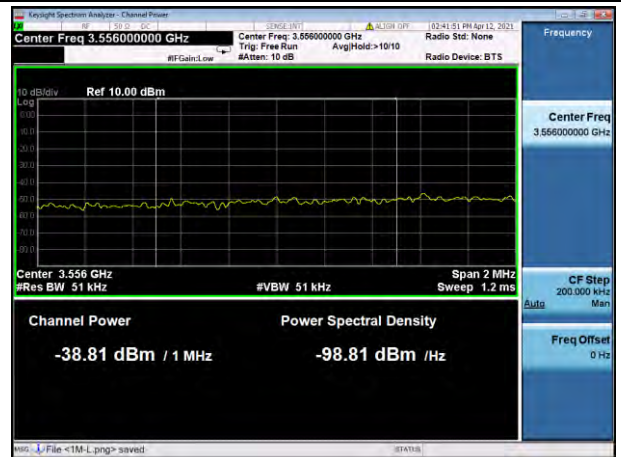
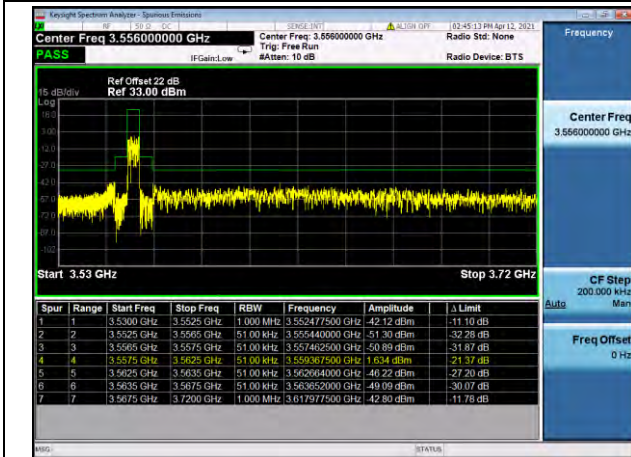
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TDD LTE Band 48 _ AWGN _ Pre AGC _ Two signal input _ Middle Channel

Frequency range 3552.5MHz-3556.5MHz and 3563.5MHz-3567.5MHz were measured with RBW 51kHz; the channel power of 1MHz was measured and passed as below.



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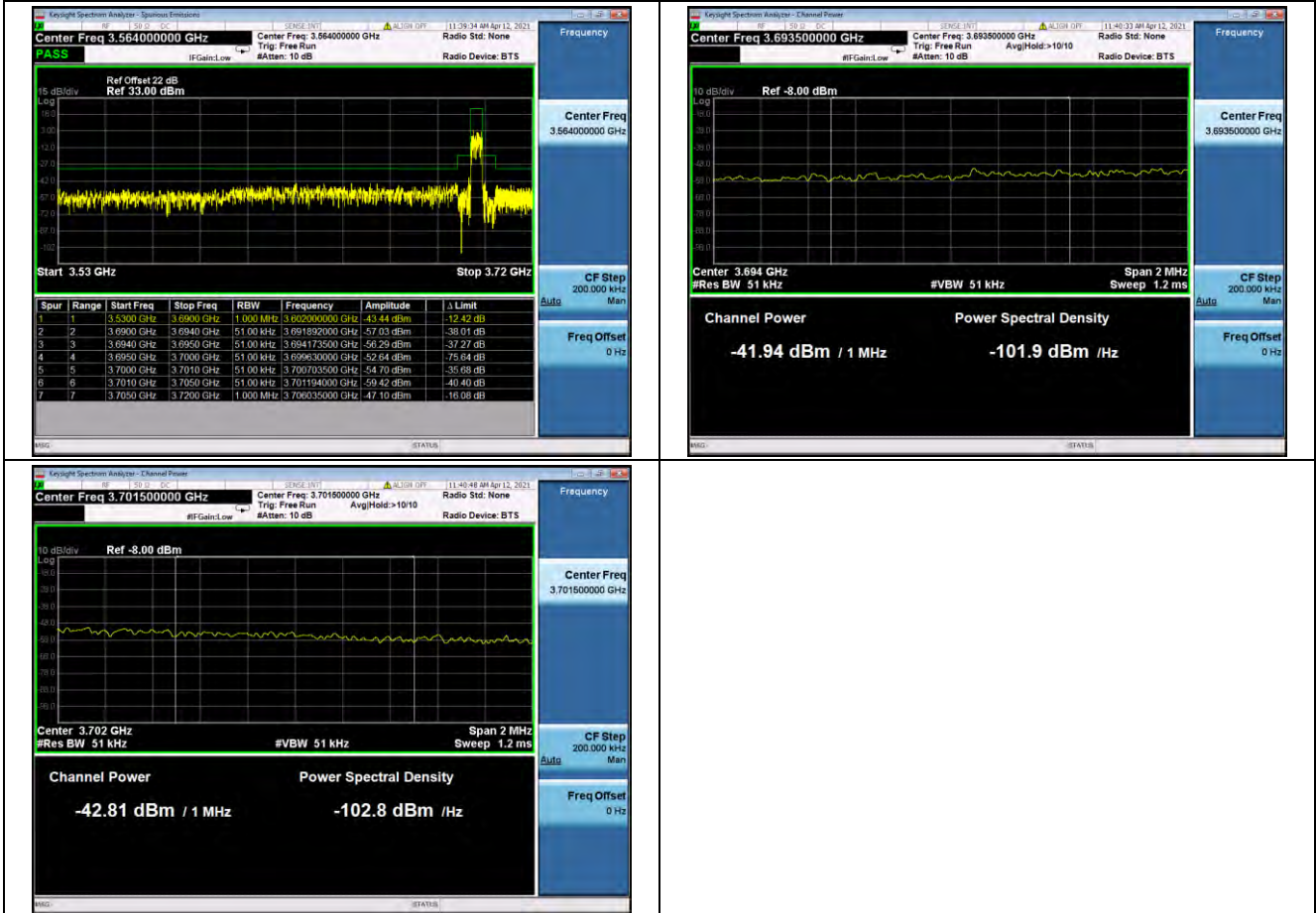
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TDD LTE Band 48 _ AWGN _ Pre AGC _ One signal input _ High Channel

Frequency range 3690MHz-3694MHz and 3701MHz-3705MHz were measured with RBW 51kHz; the channel power of 1MHz was measured and passed as below.



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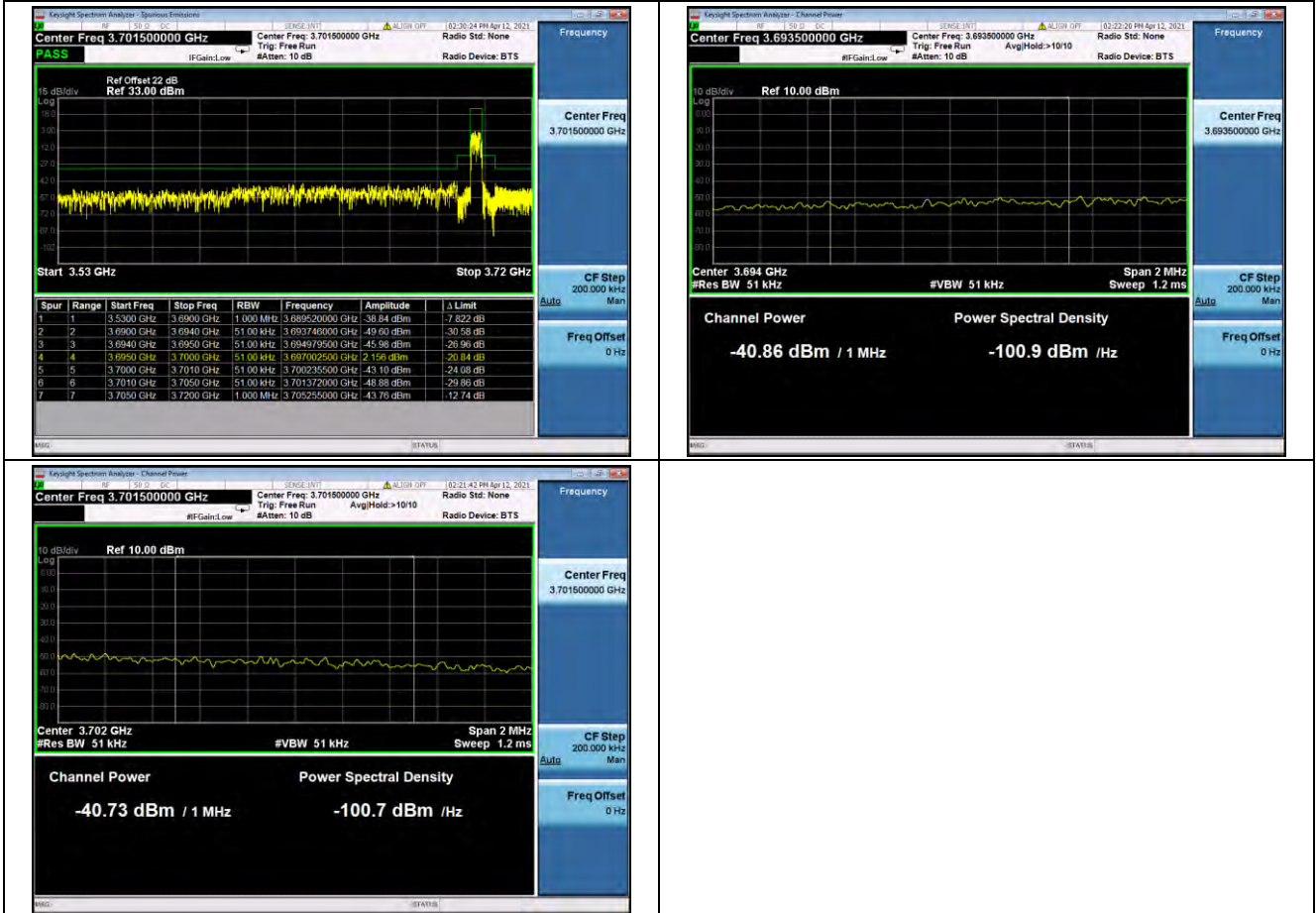
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TDD LTE Band 48 _ AWGN _ Pre AGC _ Two signal input _ High Channel

Frequency range 3690MHz-3694MHz and 3701MHz-3705MHz were measured with RBW 51kHz; the channel power of 1MHz was measured and passed as below.



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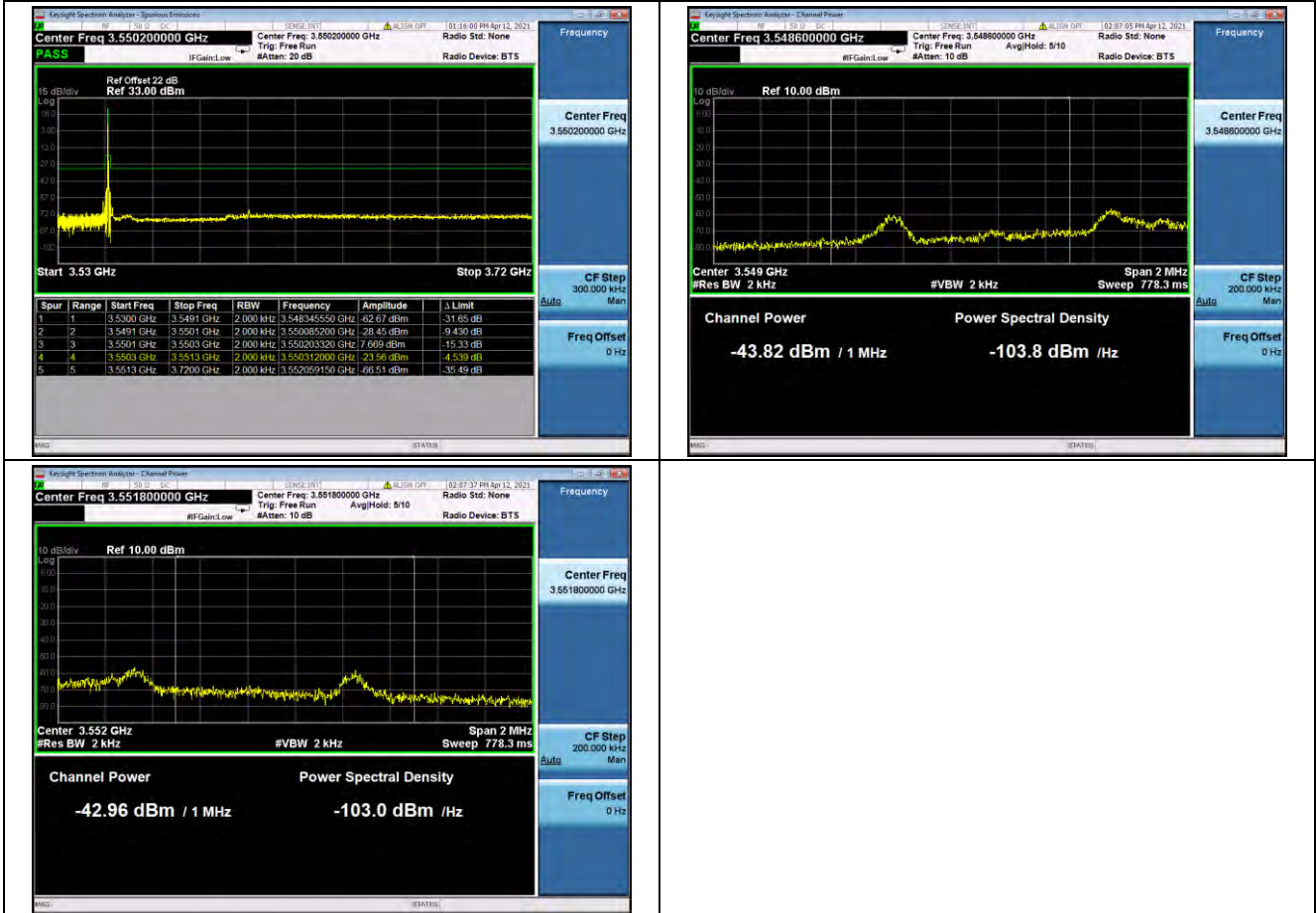
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TDD LTE Band 48 _ GSM _ Pre AGC _ One signal input _ Low Channel

Frequency range 3530MHz-3549.1MHz and 3551.3MHz-3720MHz were measured with RBW 2kHz; the channel power of 1MHz was measured and passed as below.

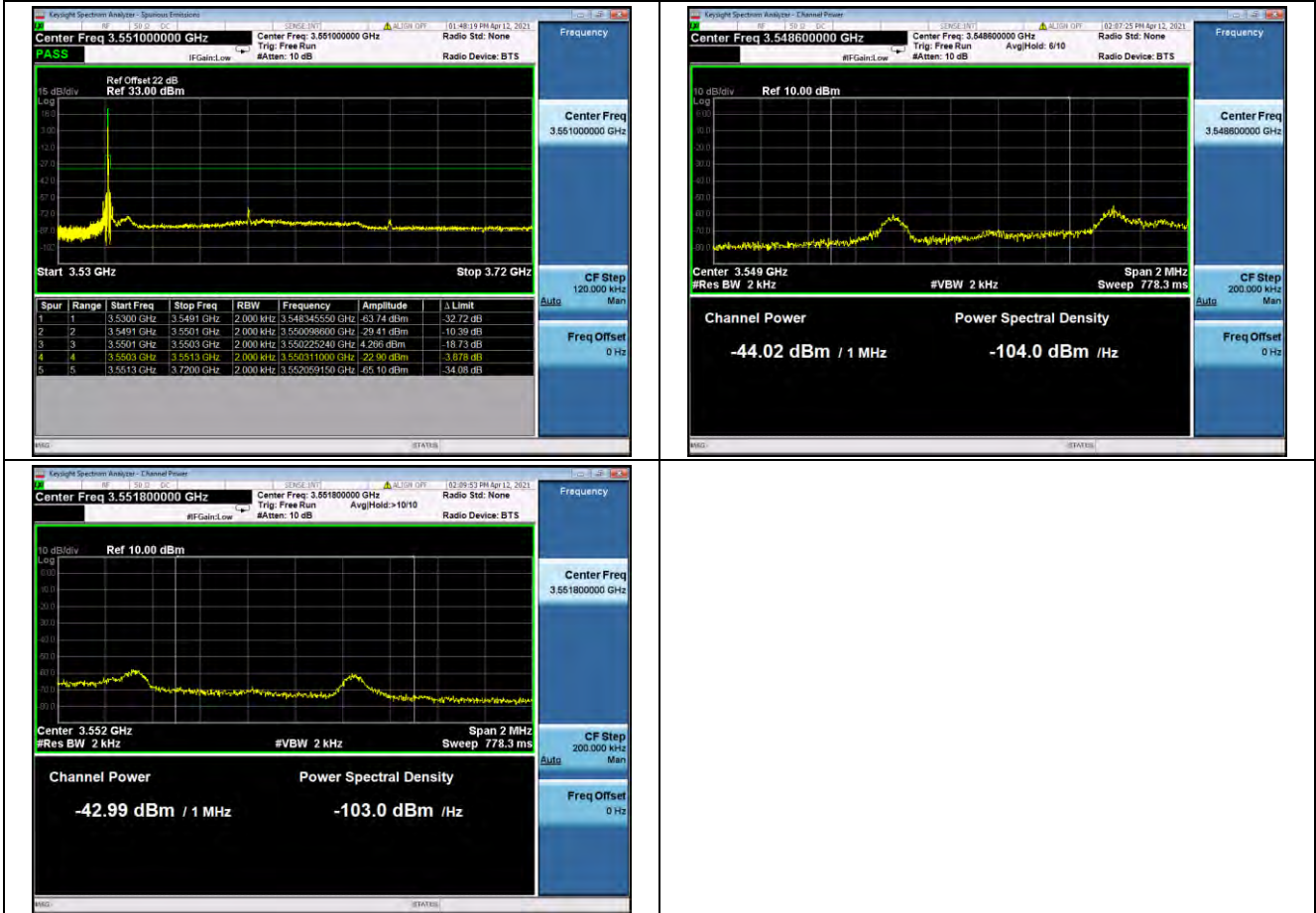


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TDD LTE Band 48 _ GSM _ Pre AGC _ Two signal input _ Low Channel

Frequency range 3530MHz-3549.1MHz and 3551.3MHz-3720MHz were measured with RBW 2kHz; the channel power of 1MHz was measured and passed as below.

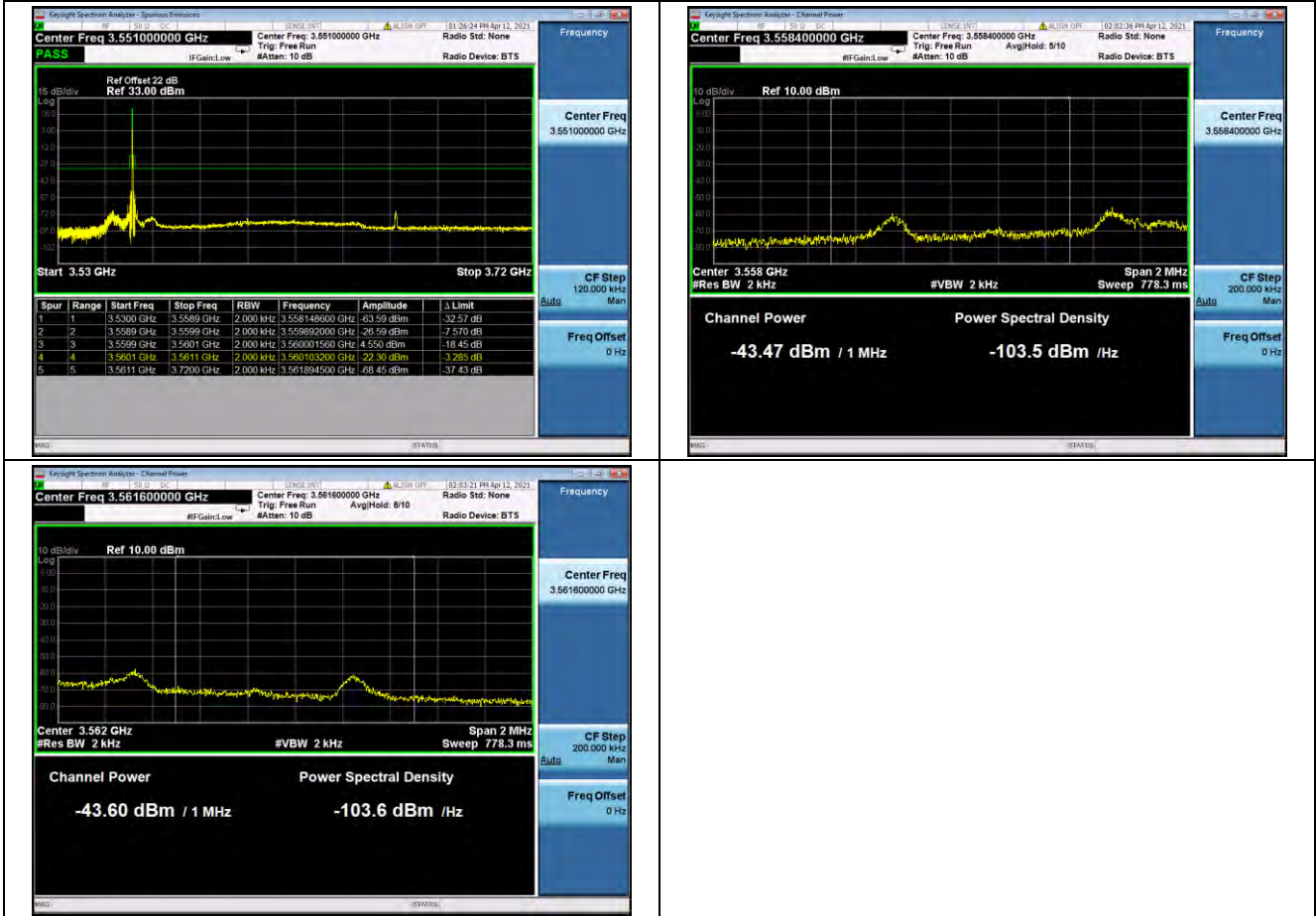


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TDD LTE Band 48 _ GSM _ Pre AGC _ One signal input _ Middle Channel

Frequency range 3530MHz-3558.9MHz and 3561.1MHz-3720MHz were measured with RBW 2kHz; the channel power of 1MHz was measured and passed as below.

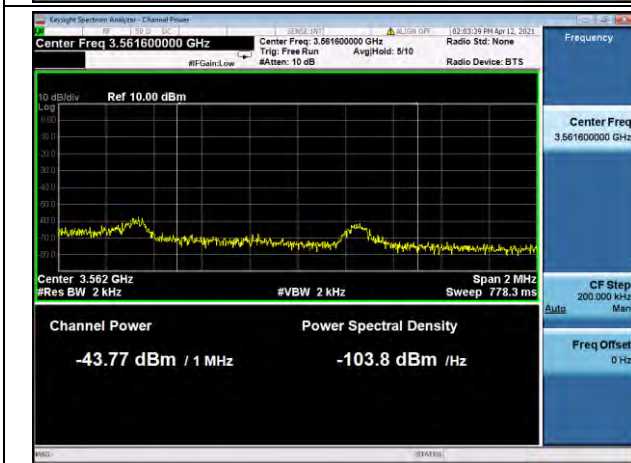
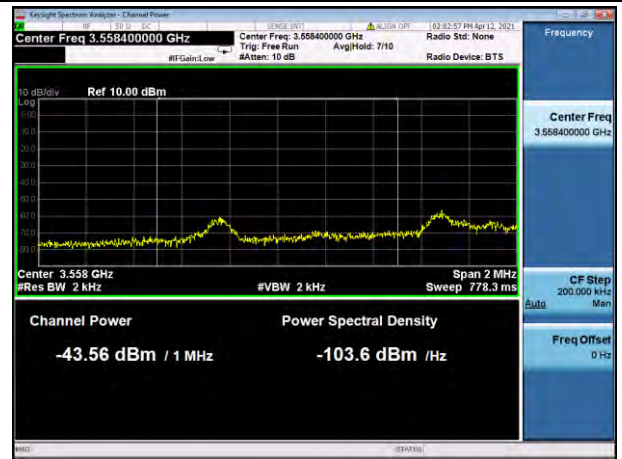
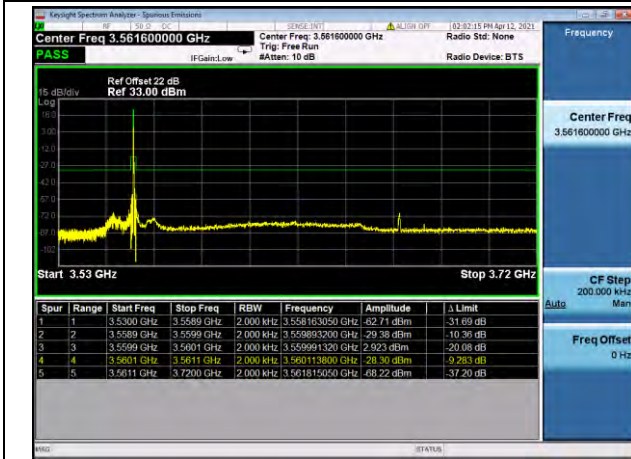


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TDD LTE Band 48 _ GSM _ Pre AGC _ Two signal input _ Middle Channel

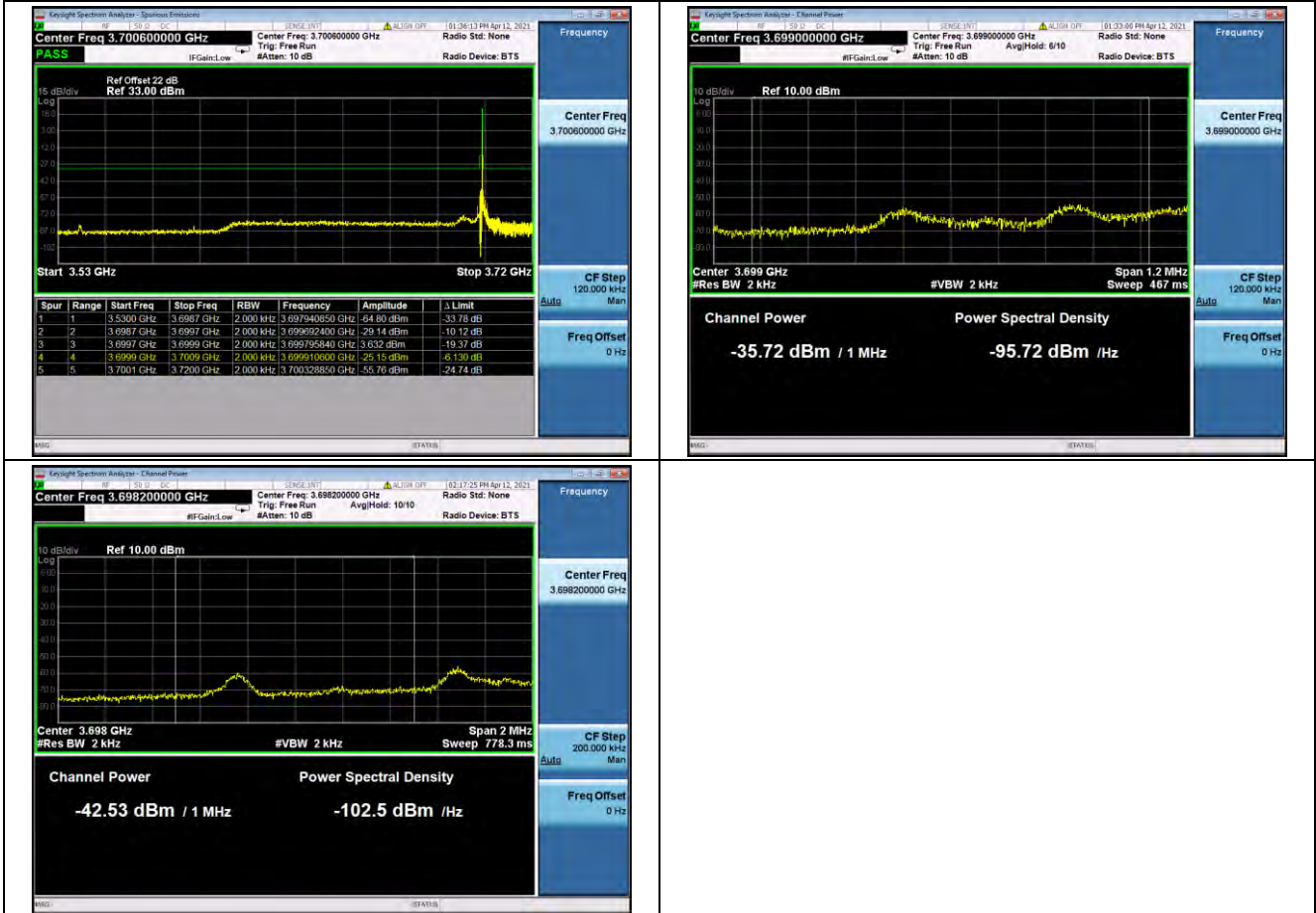
Frequency range 3530MHz-3558.9MHz and 3561.1MHz-3720MHz were measured with RBW 2kHz; the channel power of 1MHz was measured and passed as below.



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TDD LTE Band 48 _ GSM _ Pre AGC _ One signal input _ High Channel

Frequency range 3530MHz-3698.7MHz and 3700.1MHz-3720MHz were measured with RBW 2kHz; the channel power of 1MHz was measured and passed as below.



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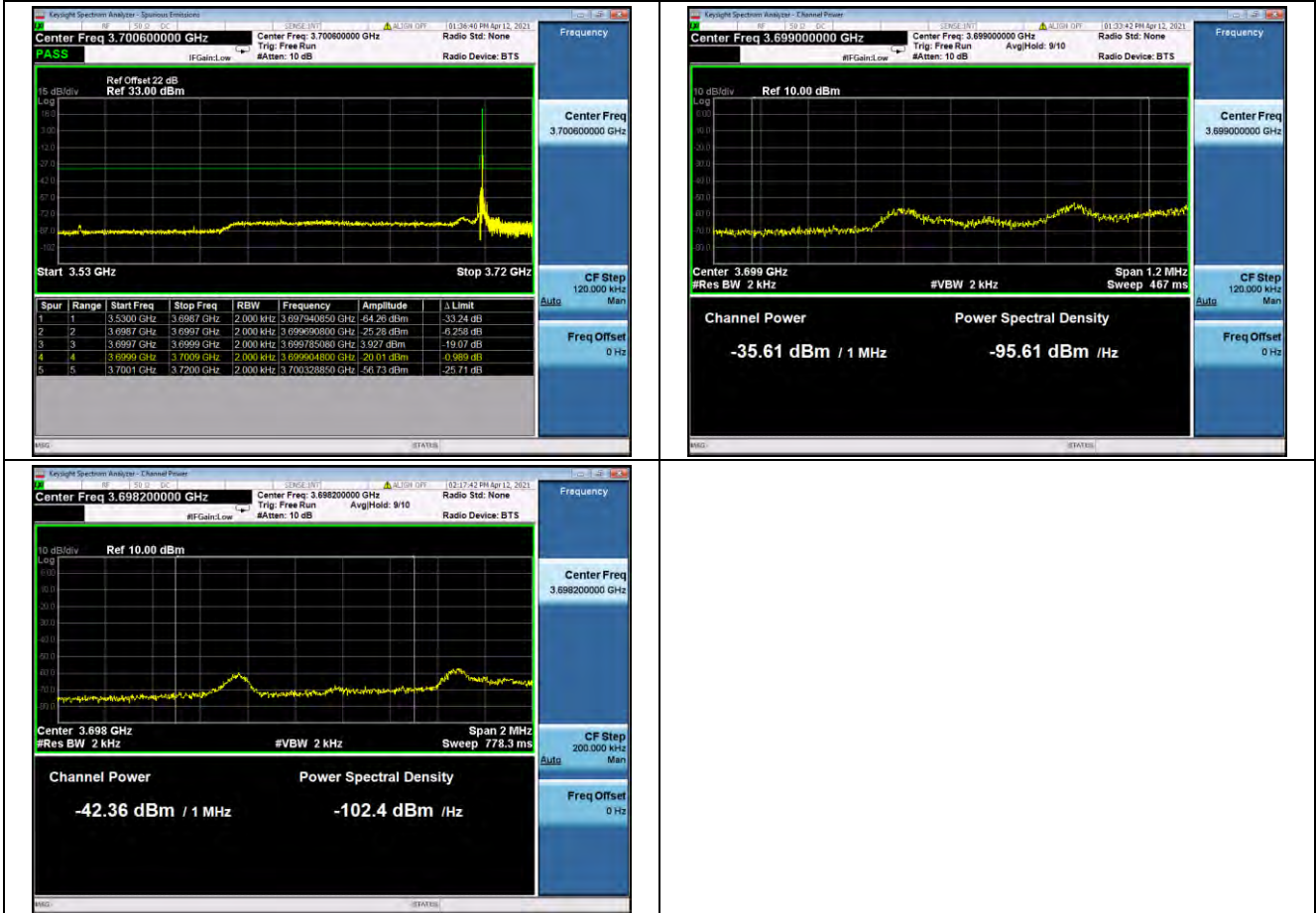
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TDD LTE Band 48 _ GSM _ Pre AGC _ Two signal input _ High Channel

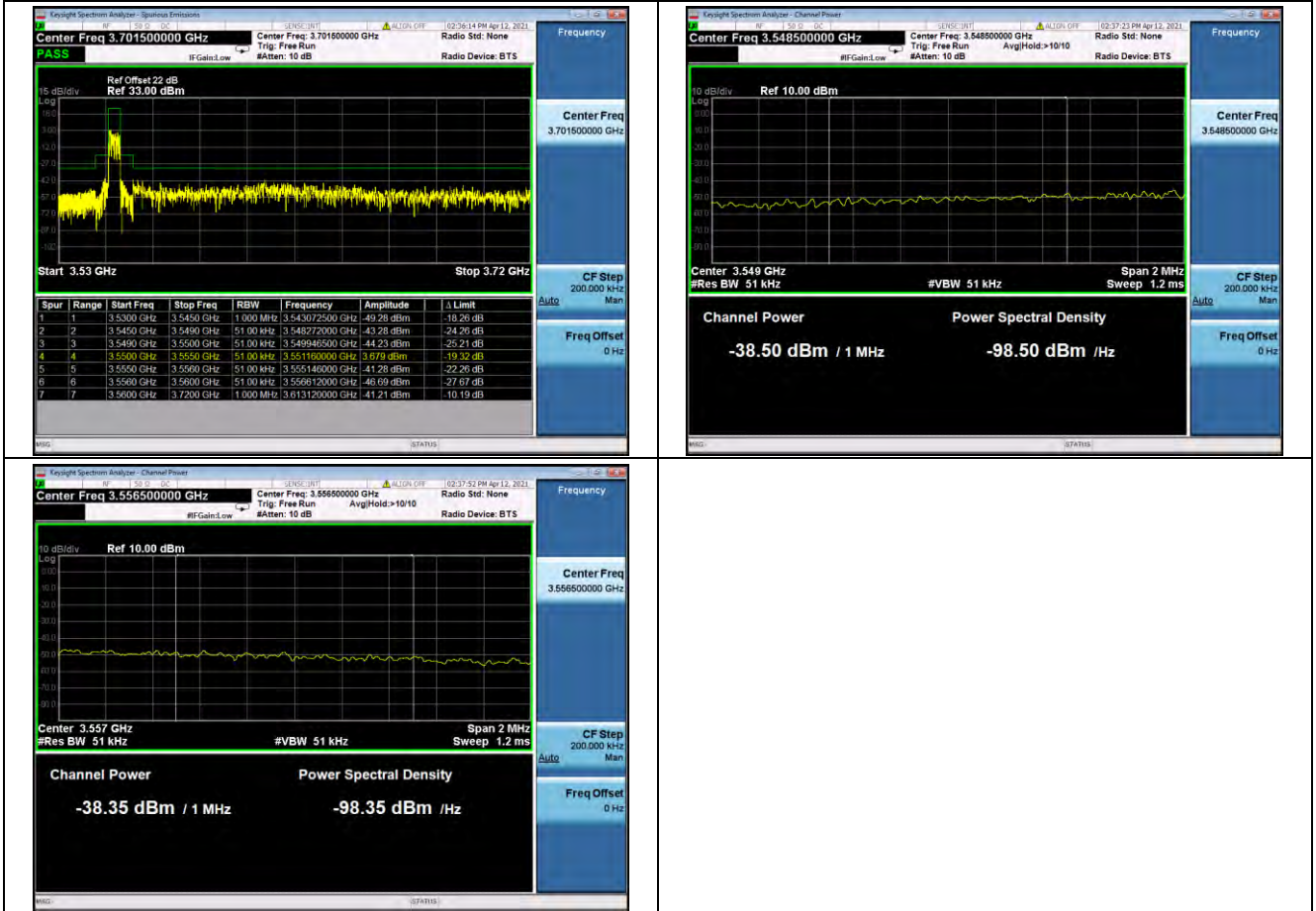
Frequency range 3530MHz-3698.7MHz and 3700.1MHz-3720MHz were measured with RBW 2kHz; the channel power of 1MHz was measured and passed as below.



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TDD LTE Band 48 _ AWGN _ 3dB above Pre AGC _ One signal input _ Low Channel
 Frequency range 3545MHz-3549MHz and 3556MHz-3560MHz were measured with RBW 51kHz; the channel power of 1MHz was measured and passed as below.

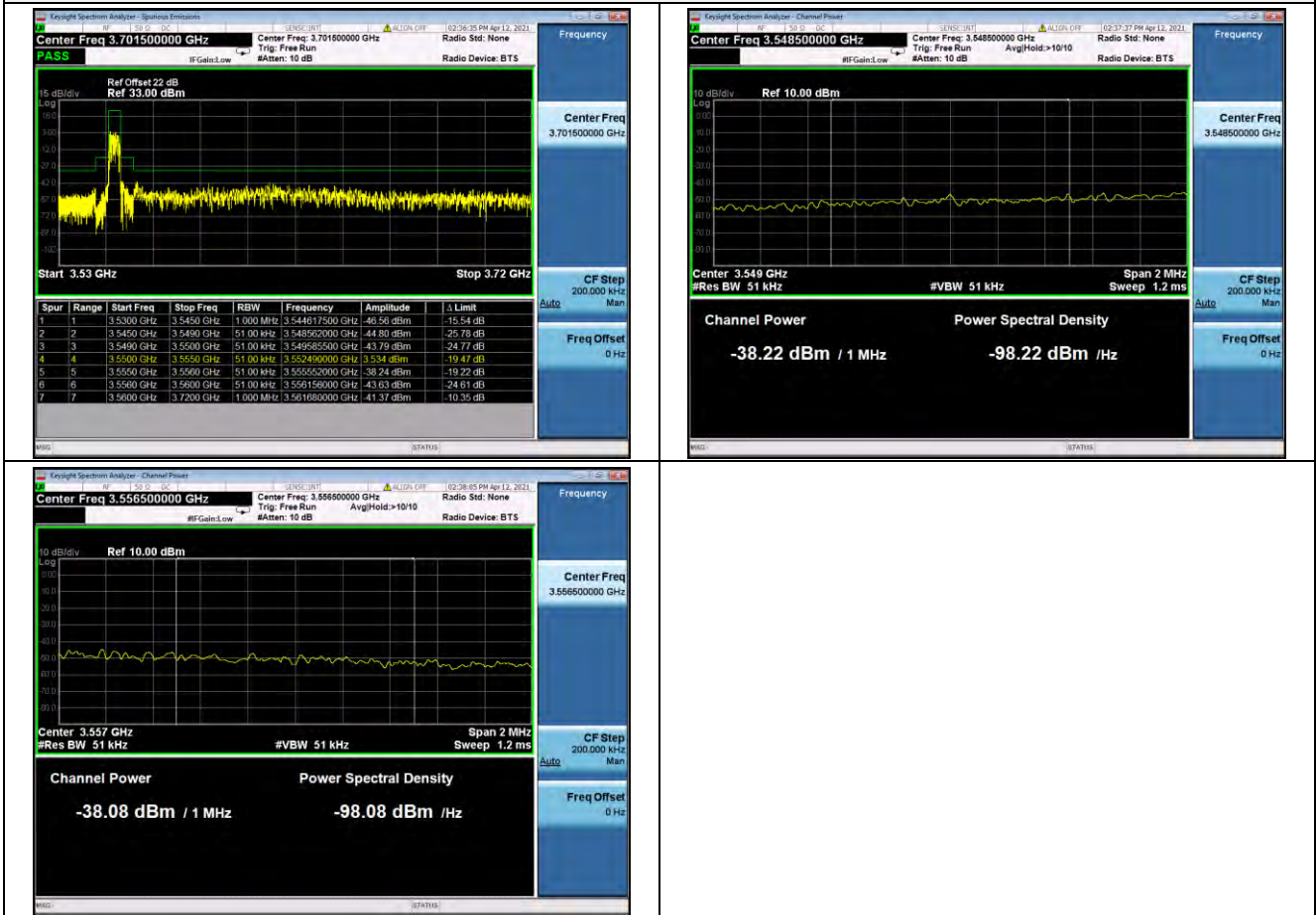


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TDD LTE Band 48 _ AWGN _ 3dB above Pre AGC _ Two signal input _ Low Channel
 Frequency range 3545MHz-3549MHz and 3556MHz-3560MHz were measured with RBW 51kHz; the channel power of 1MHz was measured and passed as below.

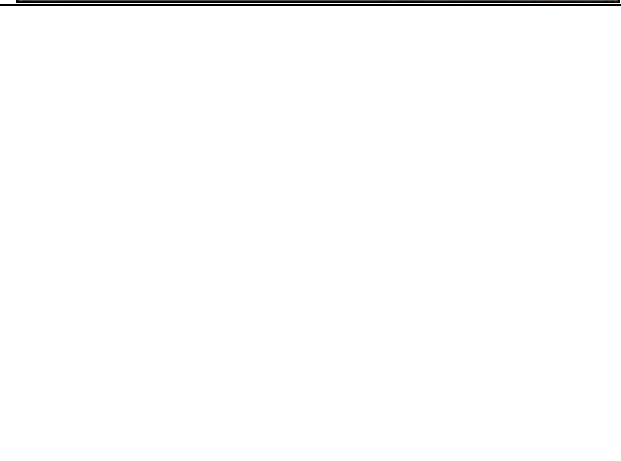
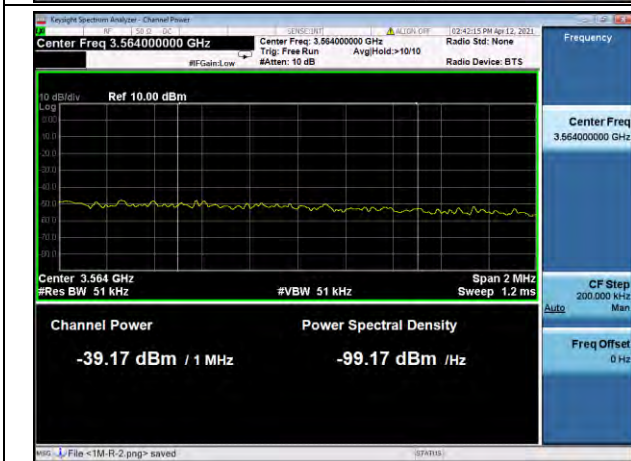
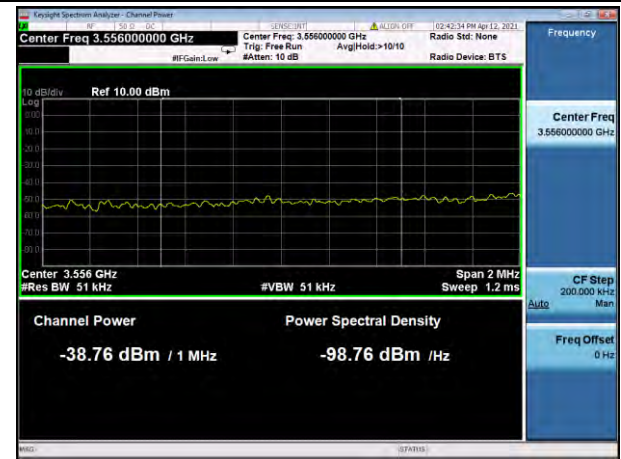
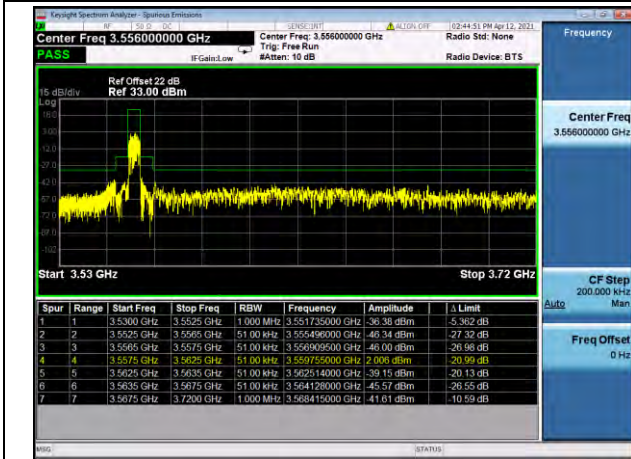


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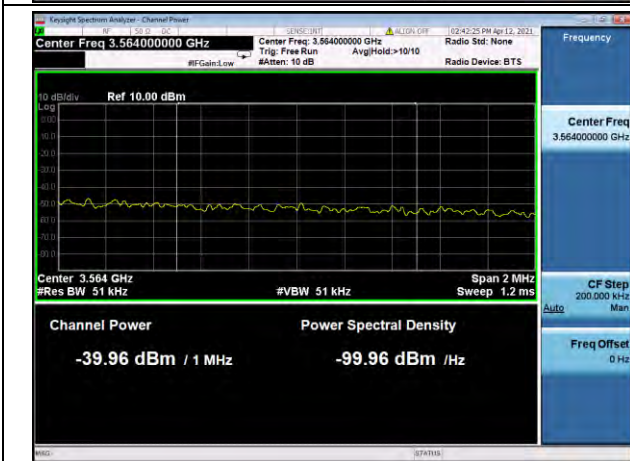
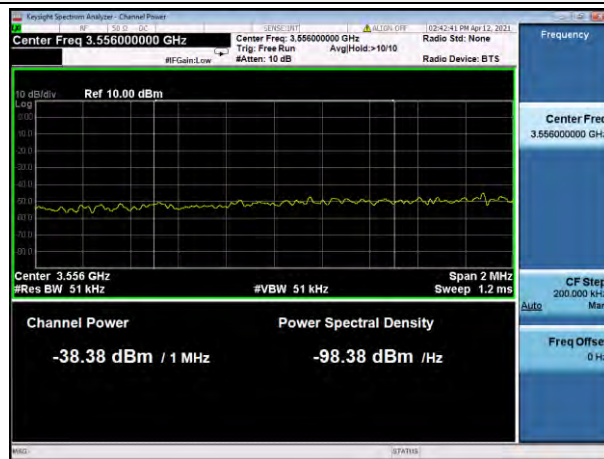
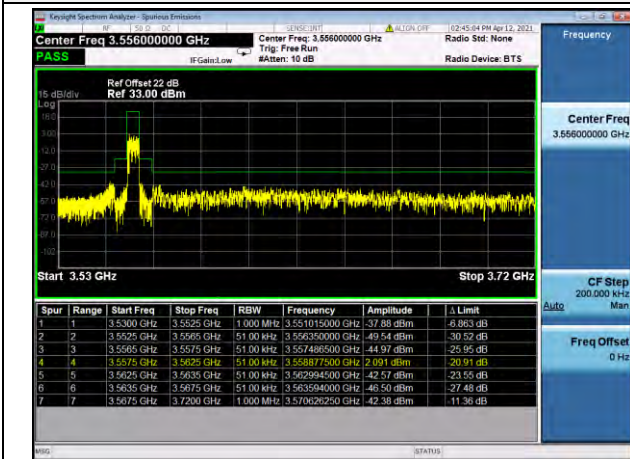
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 Frequency range 3552.5MHz-3556.5MHz and 3563.5MHz-3567.5MHz were measured with RBW 51kHz; the channel power of 1MHz was measured and passed as below.



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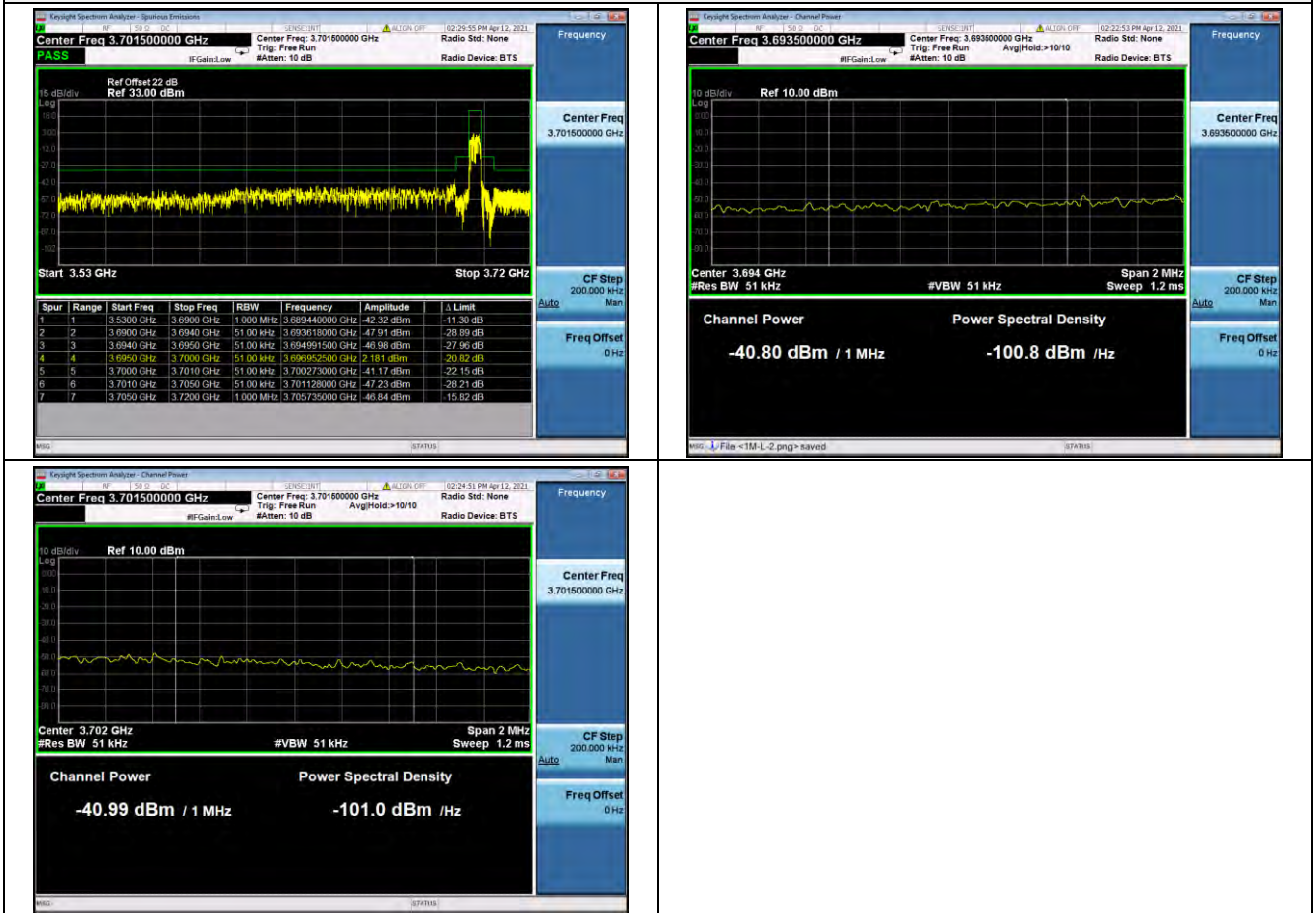
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TDD LTE Band 48 _ AWGN _ 3dB above Pre AGC _ Two signal input _ Middle Channel
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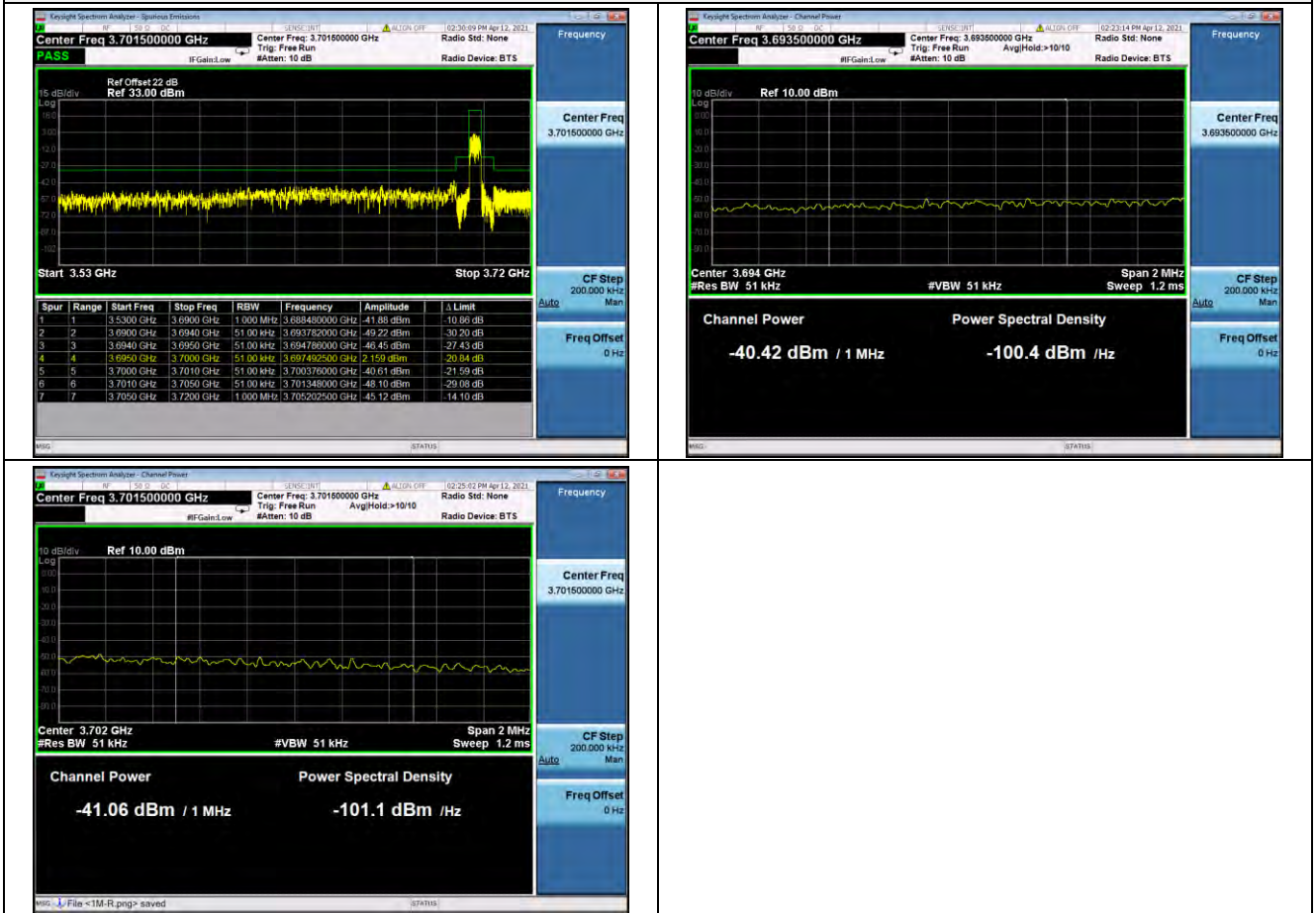
TDD LTE Band 48 _ AWGN _ 3dB above Pre AGC _ One signal input _ High Channel
 Frequency range 3690MHz-3694MHz and 3701MHz-3705MHz were measured with RBW 51kHz; the channel power of 1MHz was measured and passed as below.



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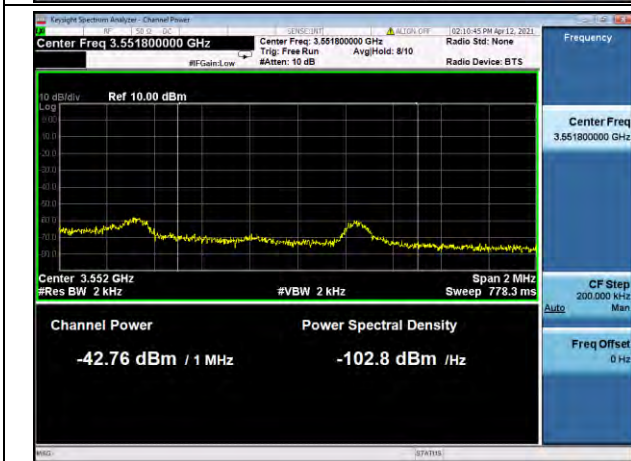
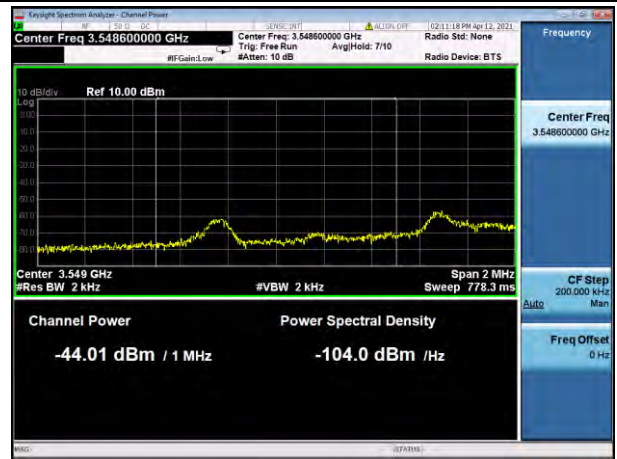
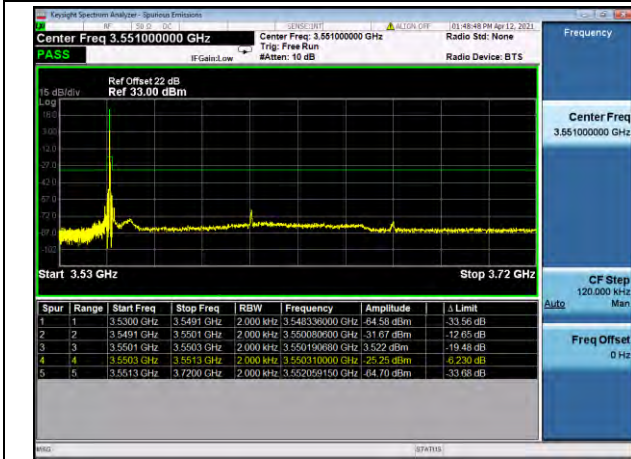
TDD LTE Band 48 _ AWGN _ 3dB above Pre AGC _ Two signal input _ High Channel
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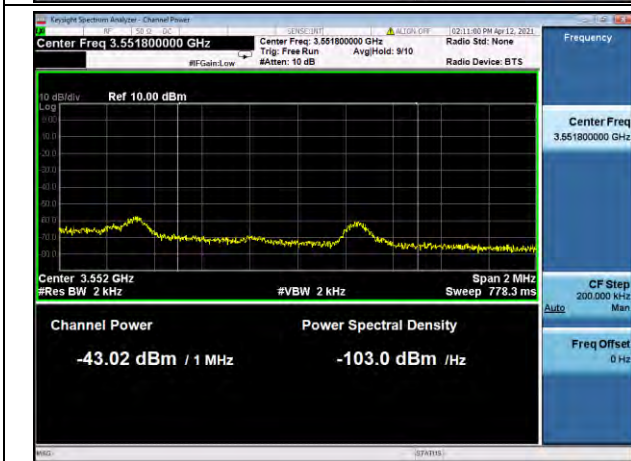
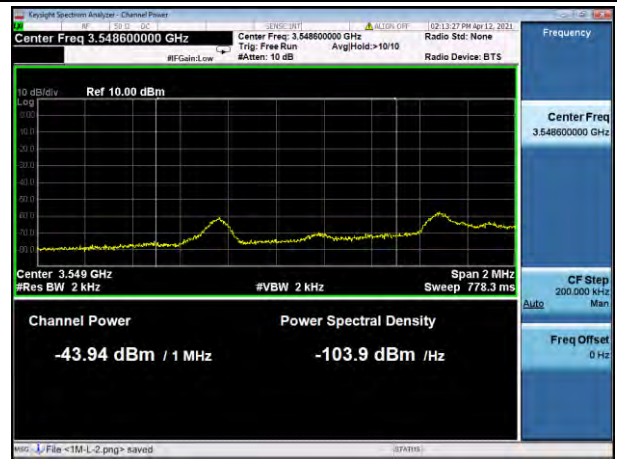
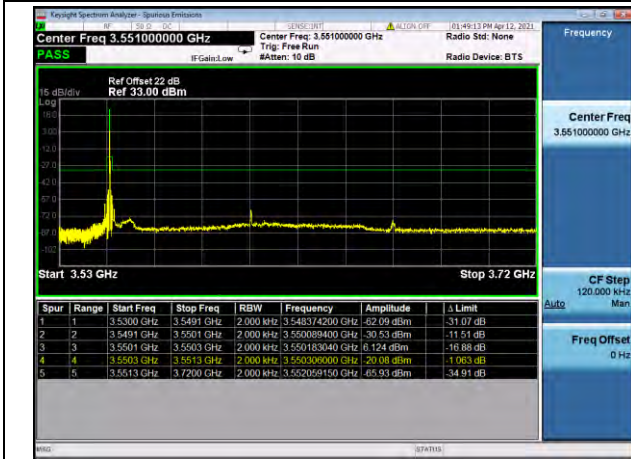
TDD LTE Band 48 _ GSM _ 3dB above Pre AGC _ One signal input _ Low Channel
 Frequency range 3530MHz-3549.1MHz and 3551.3MHz-3720MHz were measured with RBW 2kHz; the channel power of 1MHz was measured and passed as below.



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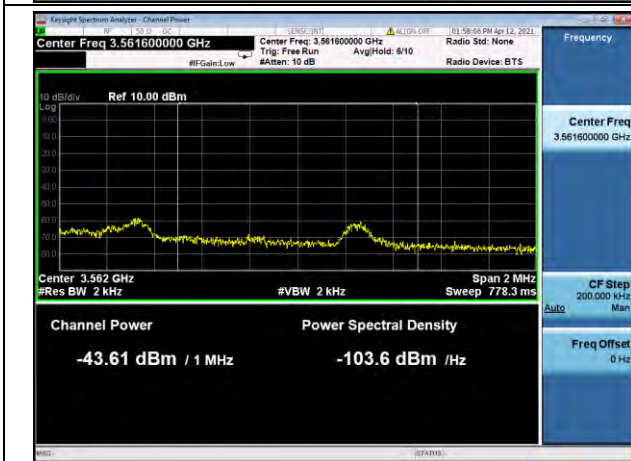
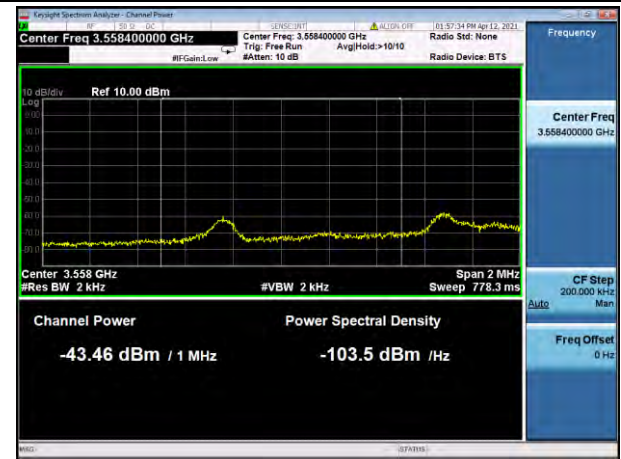
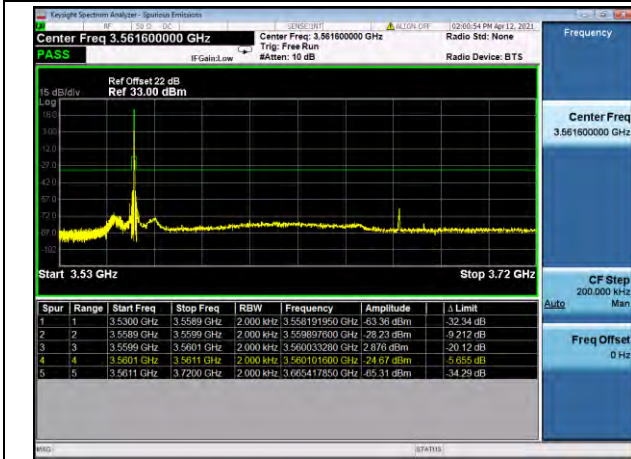
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TDD LTE Band 48 _ GSM _ 3dB above Pre AGC _ Two signal input _ Low Channel
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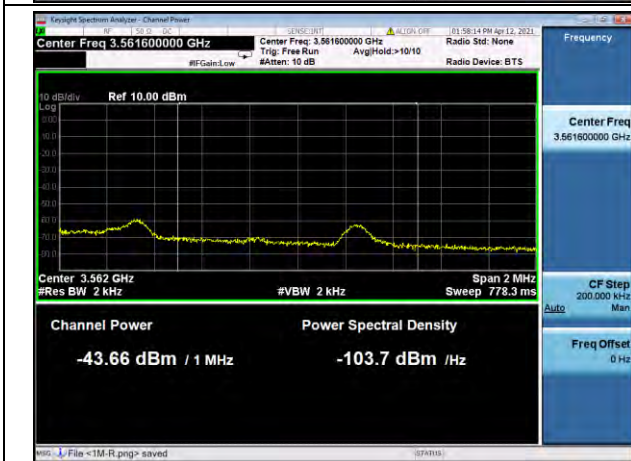
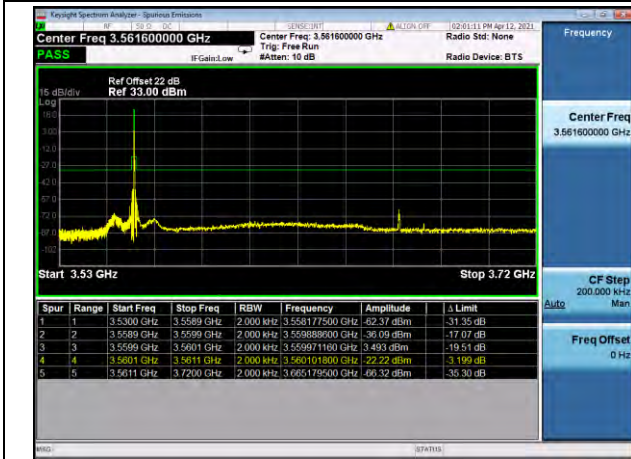
TDD LTE Band 48 _ GSM _ 3dB above Pre AGC _ One signal input _ Middle Channel
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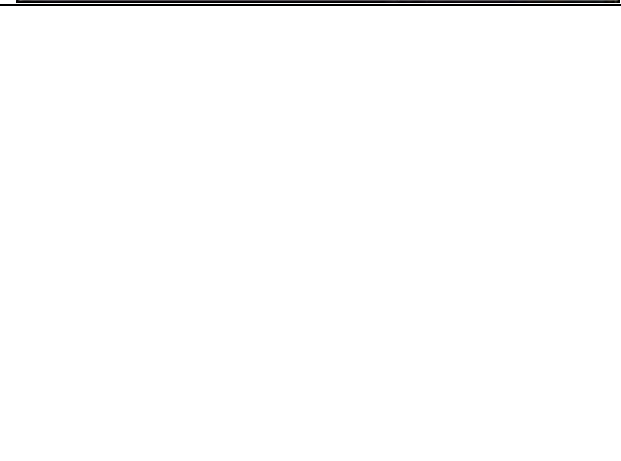
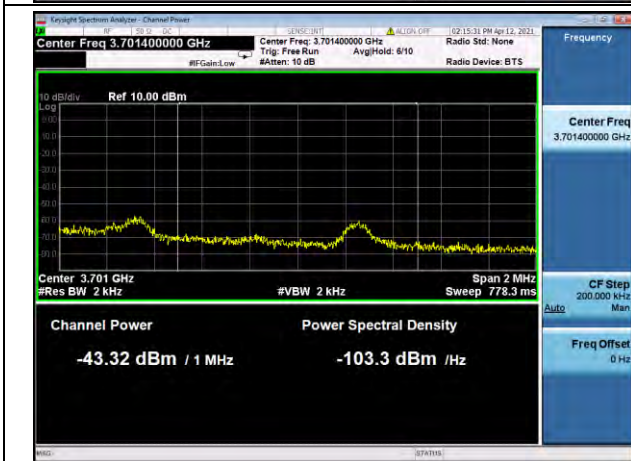
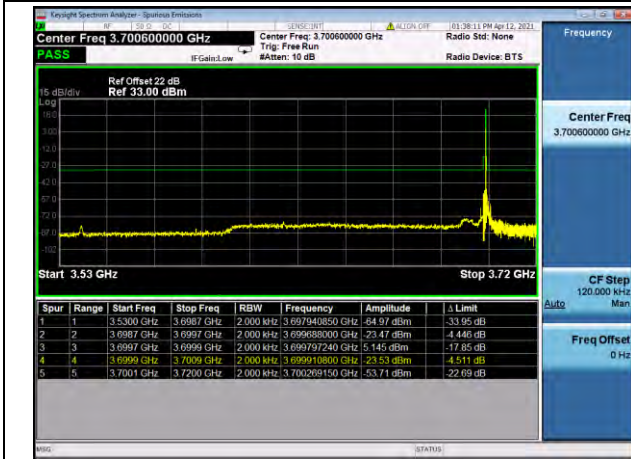
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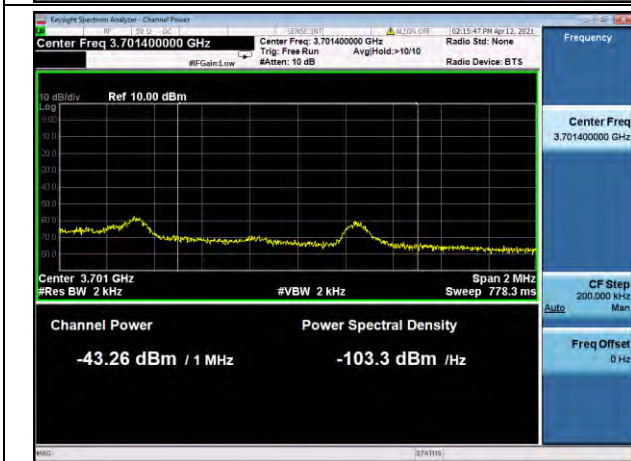
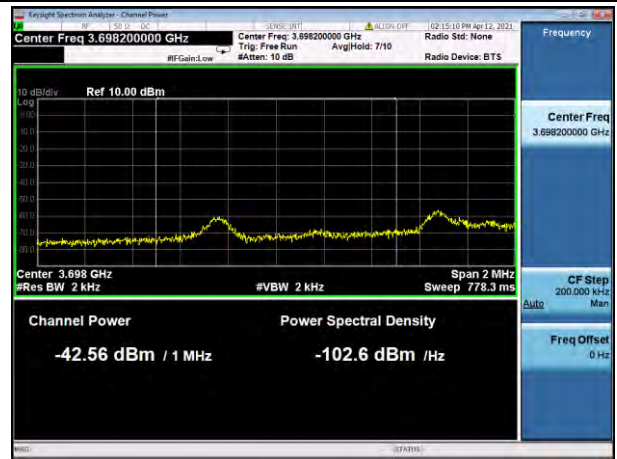
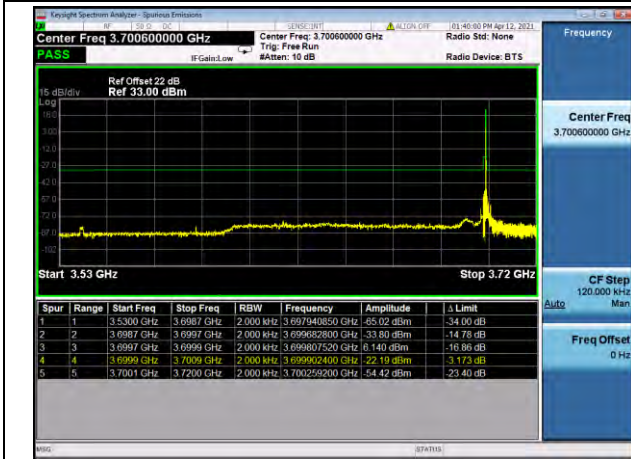
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