

Appendix E - Input-versus-output signal comparison
Test Data:
Downlink: 758MHz to 775MHz

Occupied Bandwidth				
Channel Spacing (kHz)	Signal Level	Test Channel	Signal Type	99% Occupied Channel Bandwidth (kHz)
6.25kHz (CQPSK)	Pre-AGC	773.034MHz	Input	4.879
			Output	4.880
	3dB Above AGC	773.034MHz	Input	4.883
			Output	4.880
12.5kHz (FM)	Pre-AGC	773.034MHz	Input	9.782
			Output	9.782
	3dB Above AGC	773.034MHz	Input	9.786
			Output	9.783
25kHz (TETRA)	Pre-AGC	773.034MHz	Input	20.980
			Output	20.985
	3dB Above AGC	773.034MHz	Input	20.982
			Output	20.983



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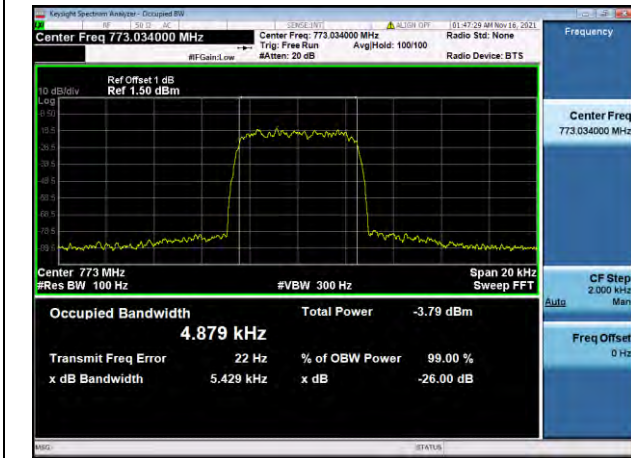
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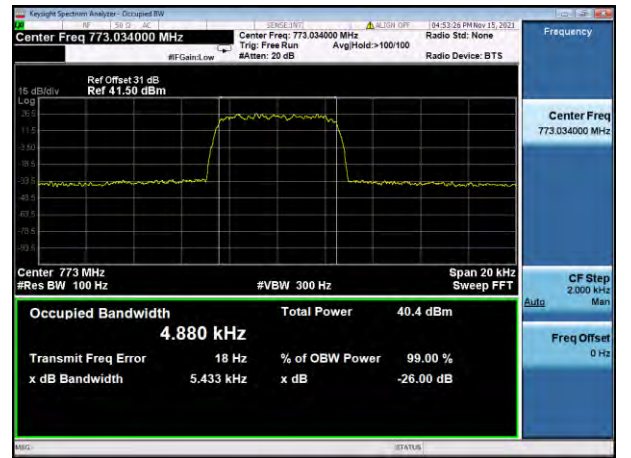
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6.25kHz CQPSK

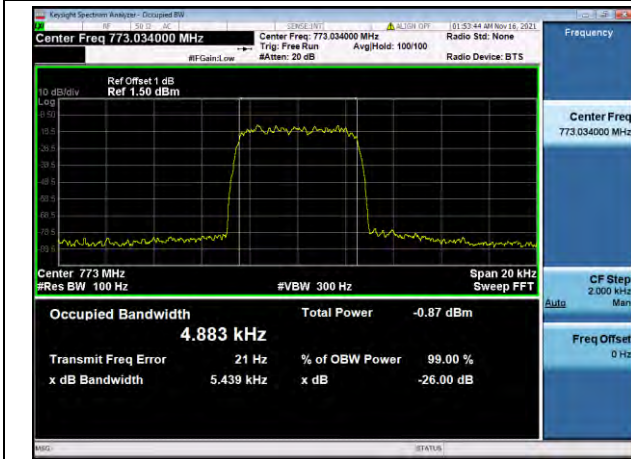
Pre-AGC_ Input



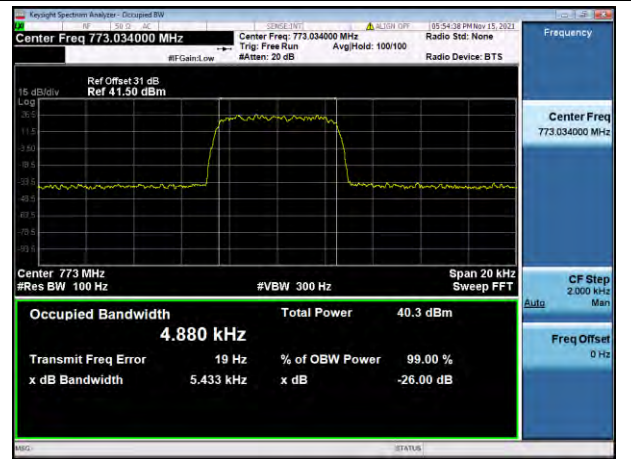
Pre-AGC_ Output



3dB Above Pre-AGC_ Input



3dB Above AGC_ Output

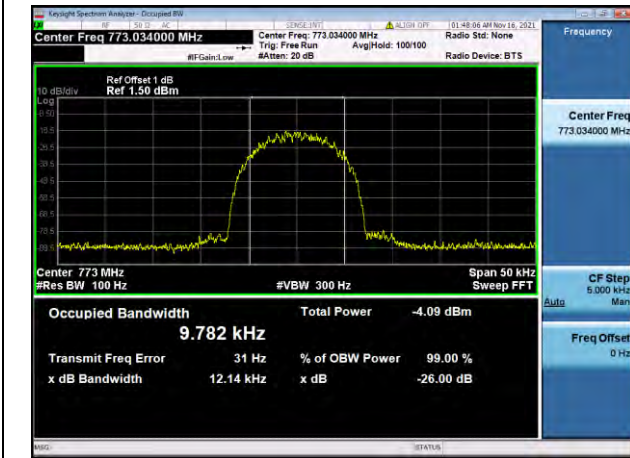


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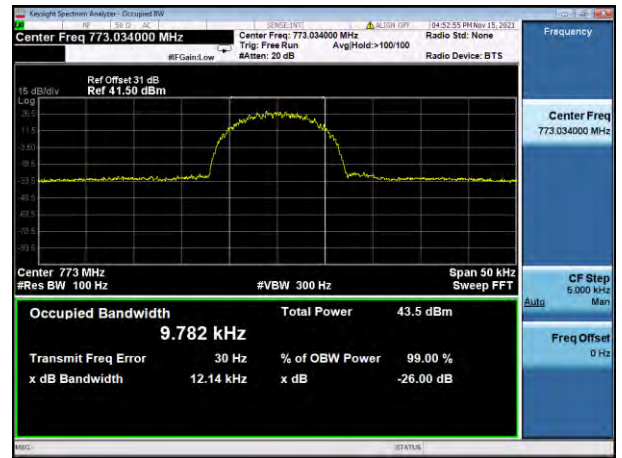
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12.5kHz FM

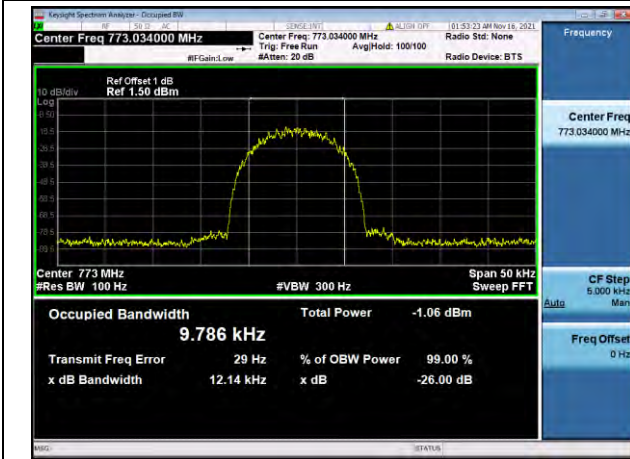
Pre-AGC_ Input



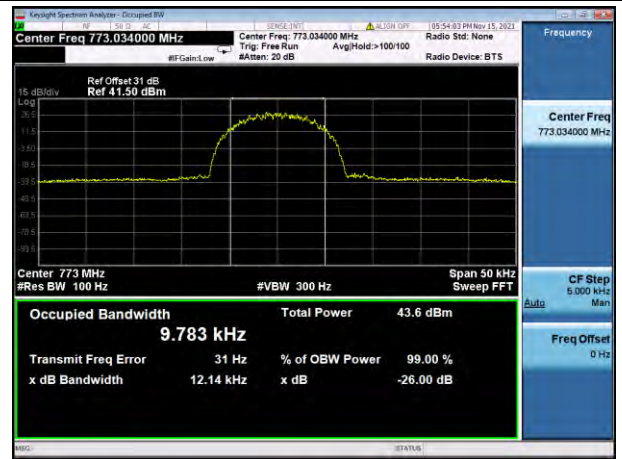
Pre-AGC_ Output



3dB Above Pre-AGC_ Input



3dB Above AGC_ Output

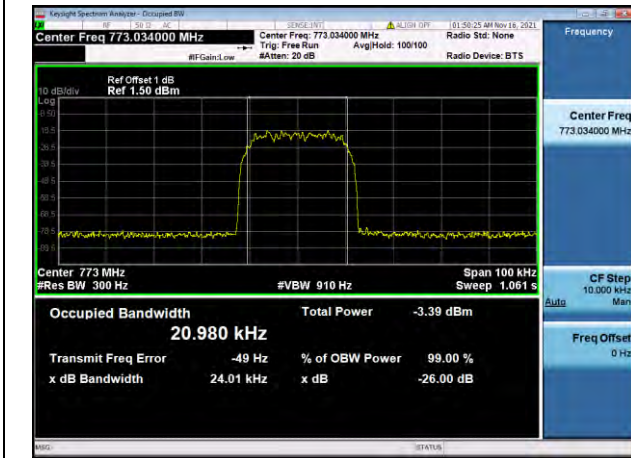


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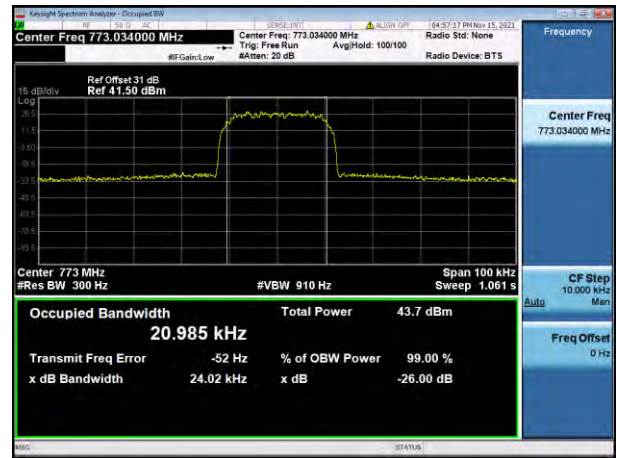
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25kHz TETRA

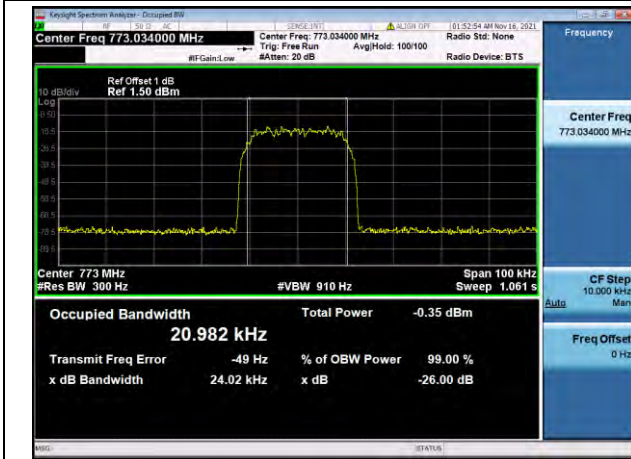
Pre-AGC_ Input



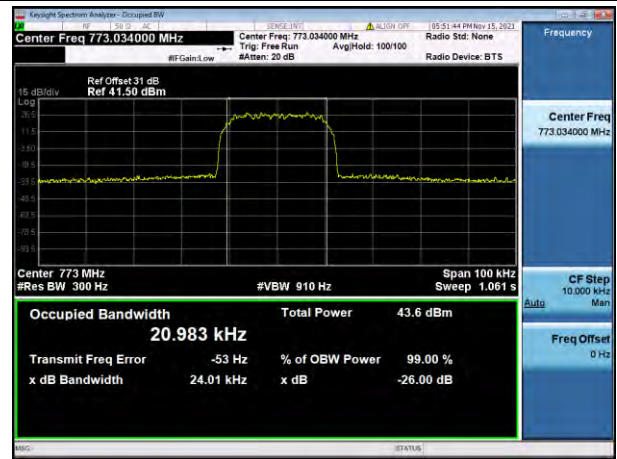
Pre-AGC_ Output



3dB Above Pre-AGC_ Input



3dB Above AGC_ Output



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Adjacent Channel Power				
Channel Spacing (kHz)	Signal Level	Test Channel	Signal Type	Result
6.25kHz (CQPSK)	Pre-AGC	Low Channel	Input	Pass
			Output	Pass
		Middle Channel	Input	Pass
			Output	Pass
		High Channel	Input	Pass
			Output	Pass
	3dB Above AGC	Low Channel	Input	Pass
			Output	Pass
		Middle Channel	Input	Pass
			Output	Pass
		High Channel	Input	Pass
			Output	Pass
12.5kHz (FM)	Pre-AGC	Low Channel	Input	Pass
			Output	Pass
		Middle Channel	Input	Pass
			Output	Pass
		High Channel	Input	Pass
			Output	Pass
	3dB Above AGC	Low Channel	Input	Pass
			Output	Pass
		Middle Channel	Input	Pass
			Output	Pass
		High Channel	Input	Pass
			Output	Pass
25kHz (TETRA)	Pre-AGC	Low Channel	Input	Pass
			Output	Pass
		Middle Channel	Input	Pass
			Output	Pass
		High Channel	Input	Pass
			Output	Pass
	3dB Above AGC	Low Channel	Input	Pass
			Output	Pass
		Middle Channel	Input	Pass
			Output	Pass
		High Channel	Input	Pass
			Output	Pass



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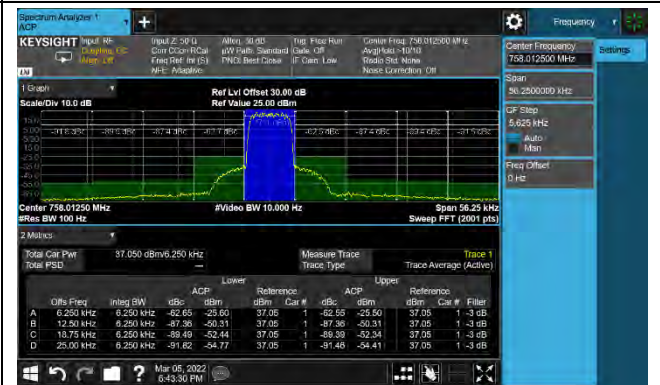
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6.25kHz CQPSK _ Low Channel

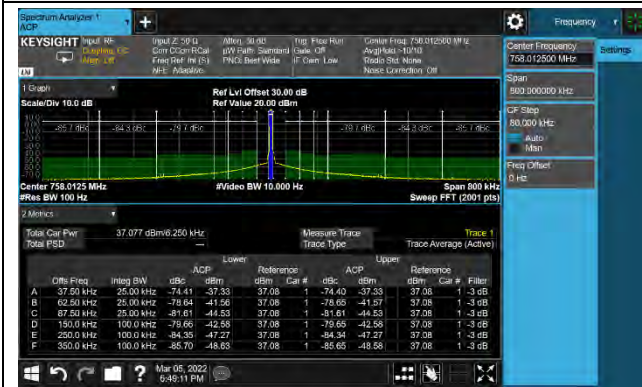
Pre-AGC_Input



Pre-AGC_Output_1



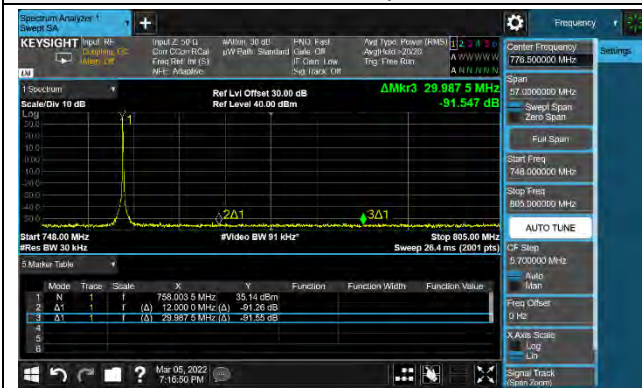
Pre-AGC_Output_2



Pre-AGC_Output_3



Pre-AGC_Output_4

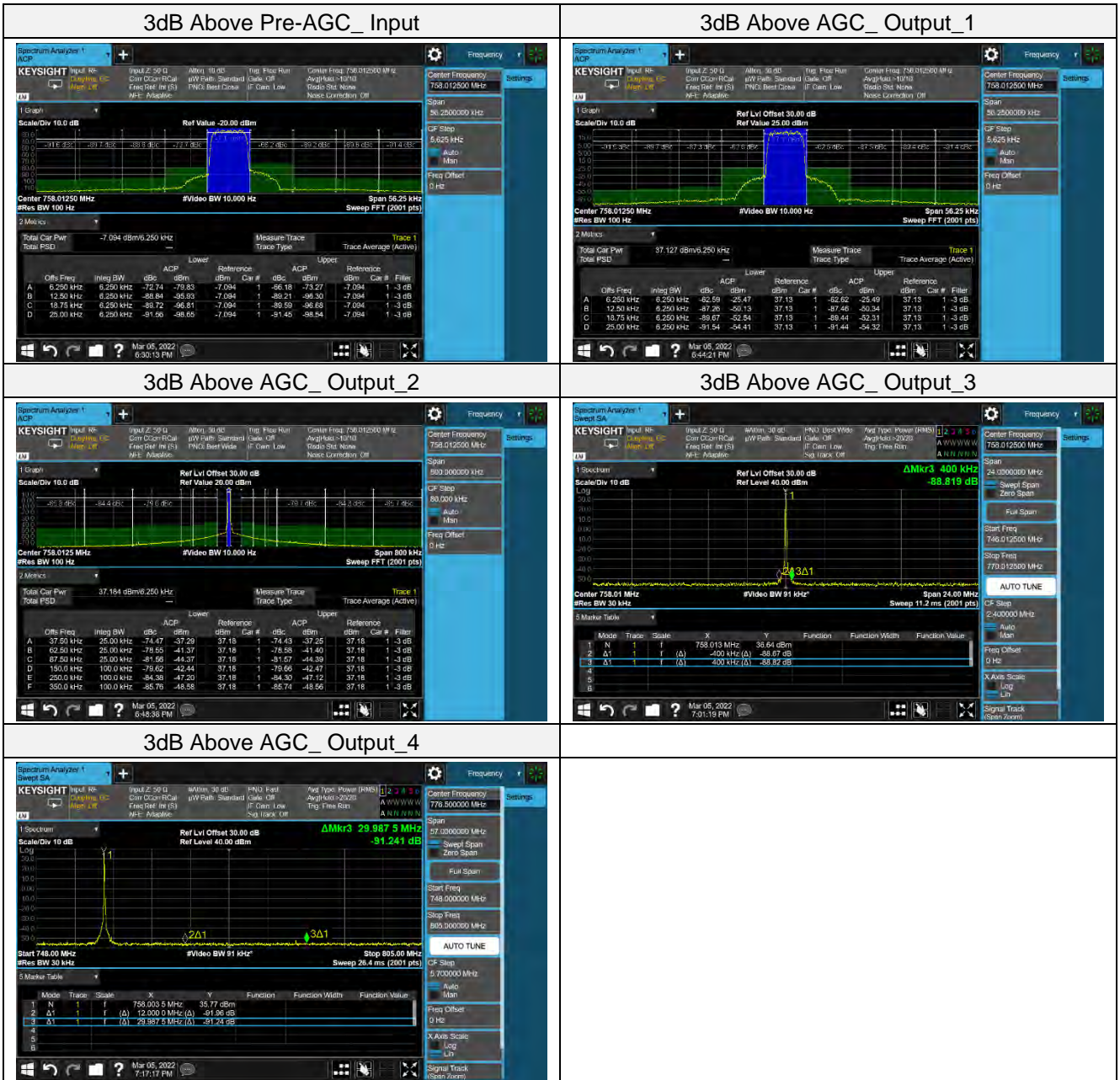


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6.25kHz CQPSK _ Middle Channel

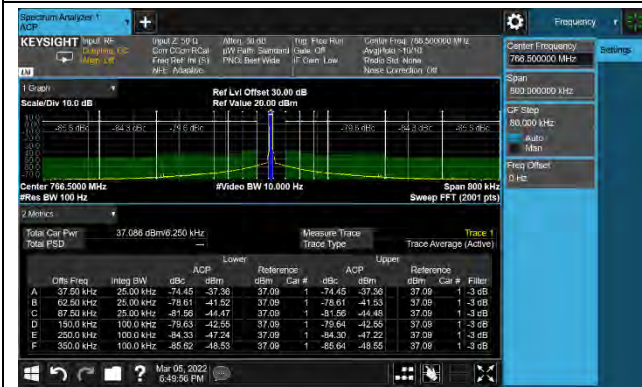
Pre-AGC_ Input



Pre-AGC_ Output_1



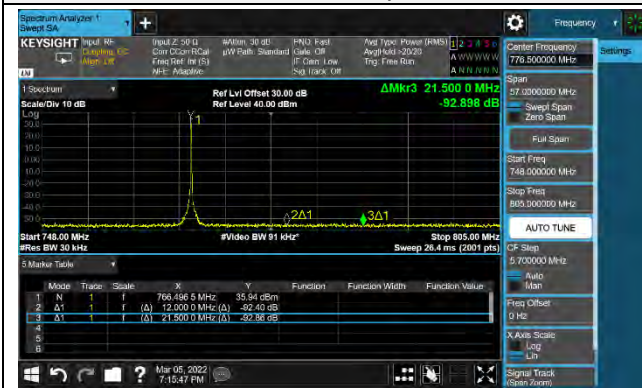
Pre-AGC_ Output_2



Pre-AGC_ Output_3

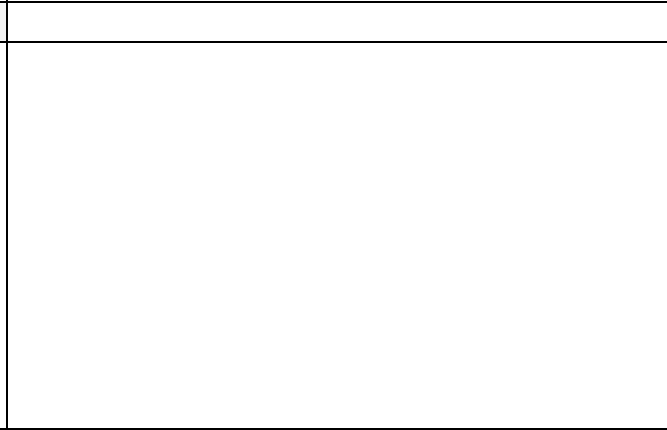
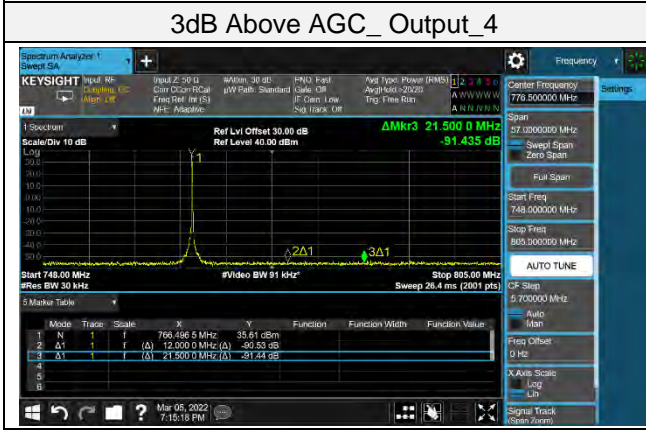
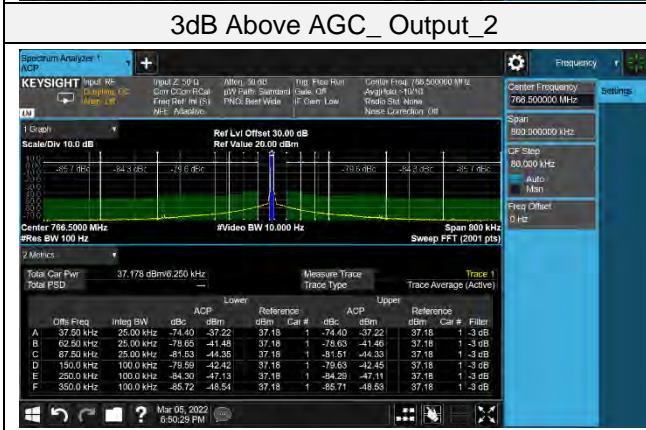


Pre-AGC_ Output_4



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6.25kHz CQPSK _ High Channel

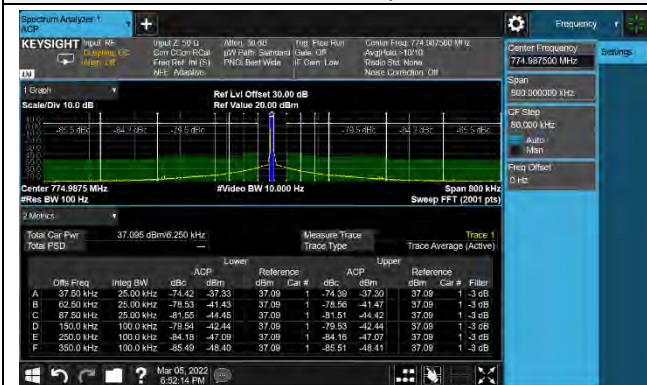
Pre-AGC_Input



Pre-AGC_Output_1



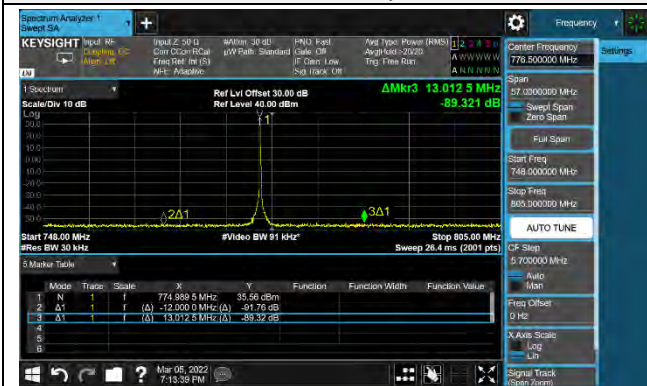
Pre-AGC_Output_2



Pre-AGC_Output_3



Pre-AGC_Output_4



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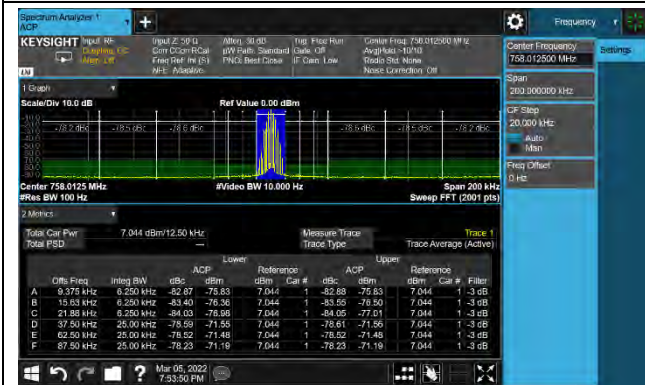
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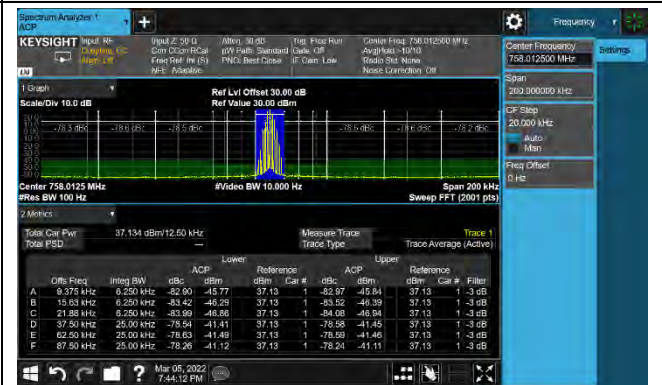
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12.5kHz FM _ Low Channel

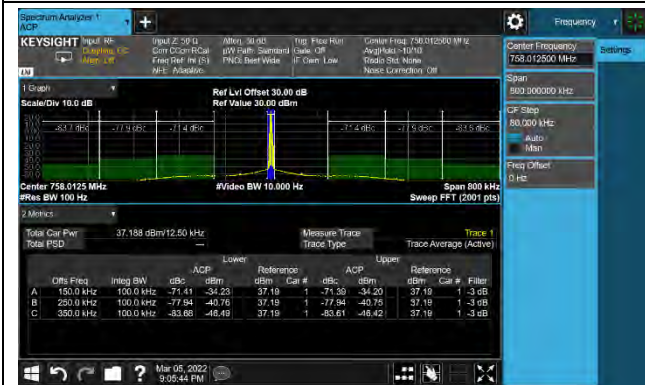
Pre-AGC_Input



Pre-AGC_Output_1



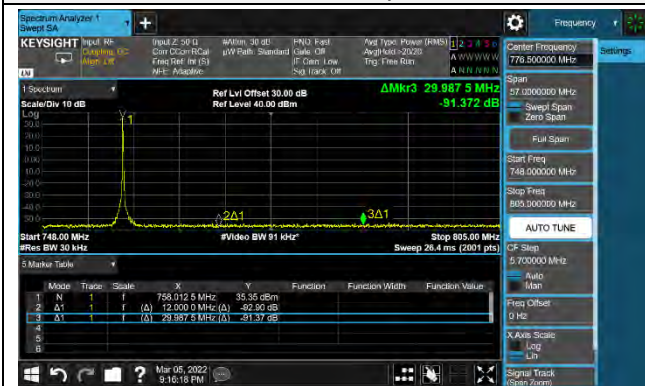
Pre-AGC_Output_2



Pre-AGC_Output_3



Pre-AGC_Output_4



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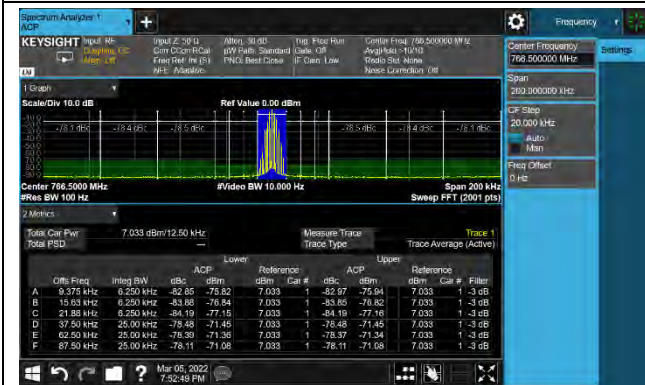
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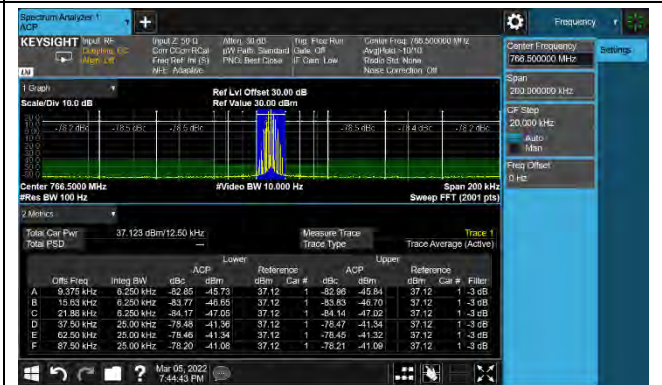
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12.5kHz FM _ Middle Channel

Pre-AGC_ Input



Pre-AGC_ Output_1



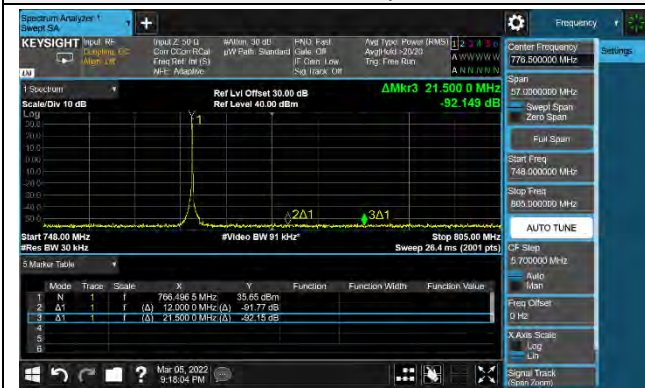
Pre-AGC_ Output_2



Pre-AGC_ Output_3



Pre-AGC_ Output_4



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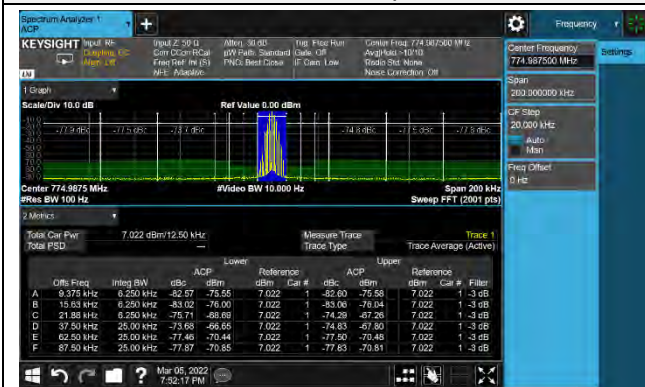
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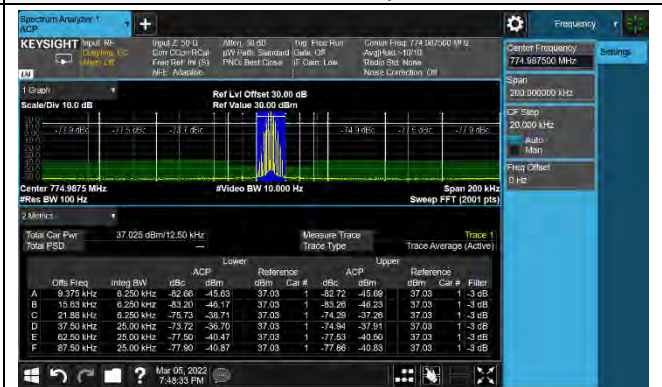
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12.5kHz FM _ High Channel

Pre-AGC_Input



Pre-AGC_Output_1



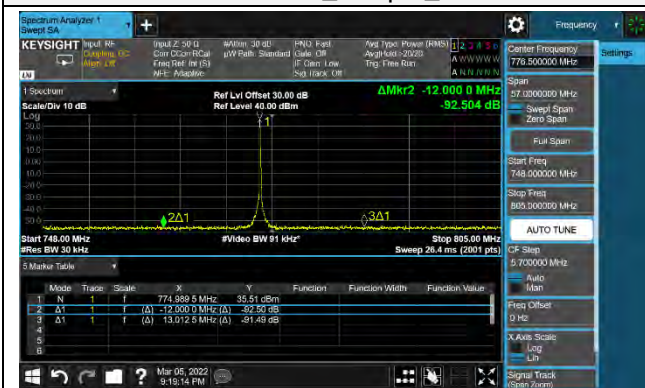
Pre-AGC_Output_2



Pre-AGC_Output_3



Pre-AGC_Output_4



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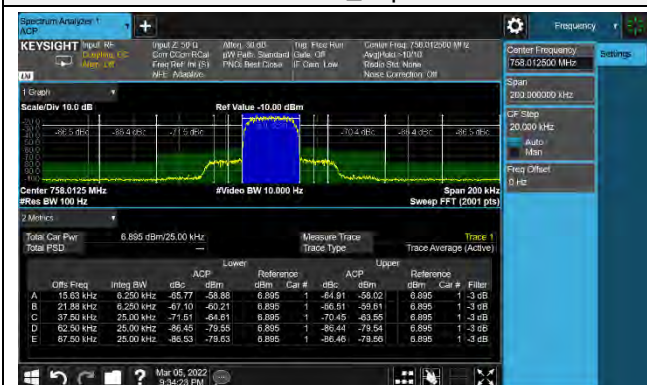
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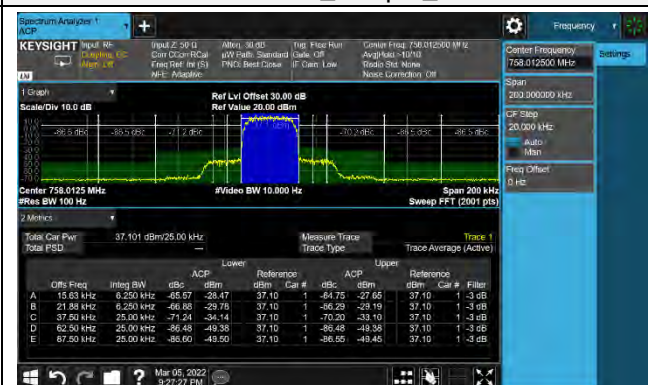
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25kHz TETRA _ Low Channel

Pre-AGC_Input



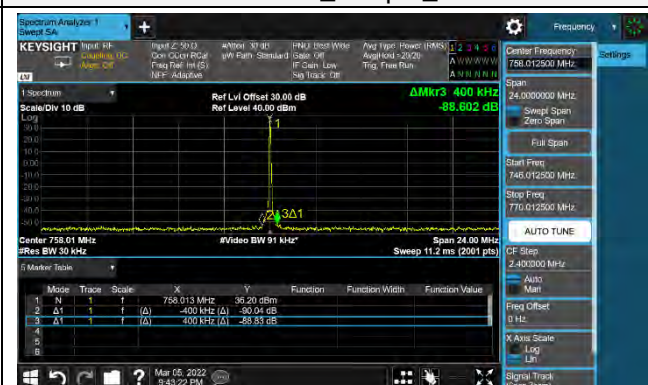
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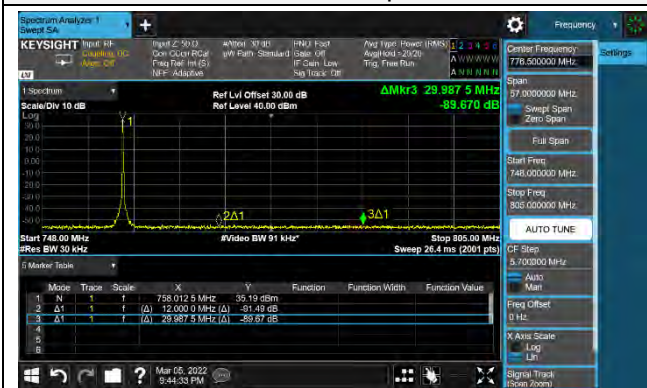
Pre-AGC_Output_2



Pre-AGC_Output_3



Pre-AGC_Output_4

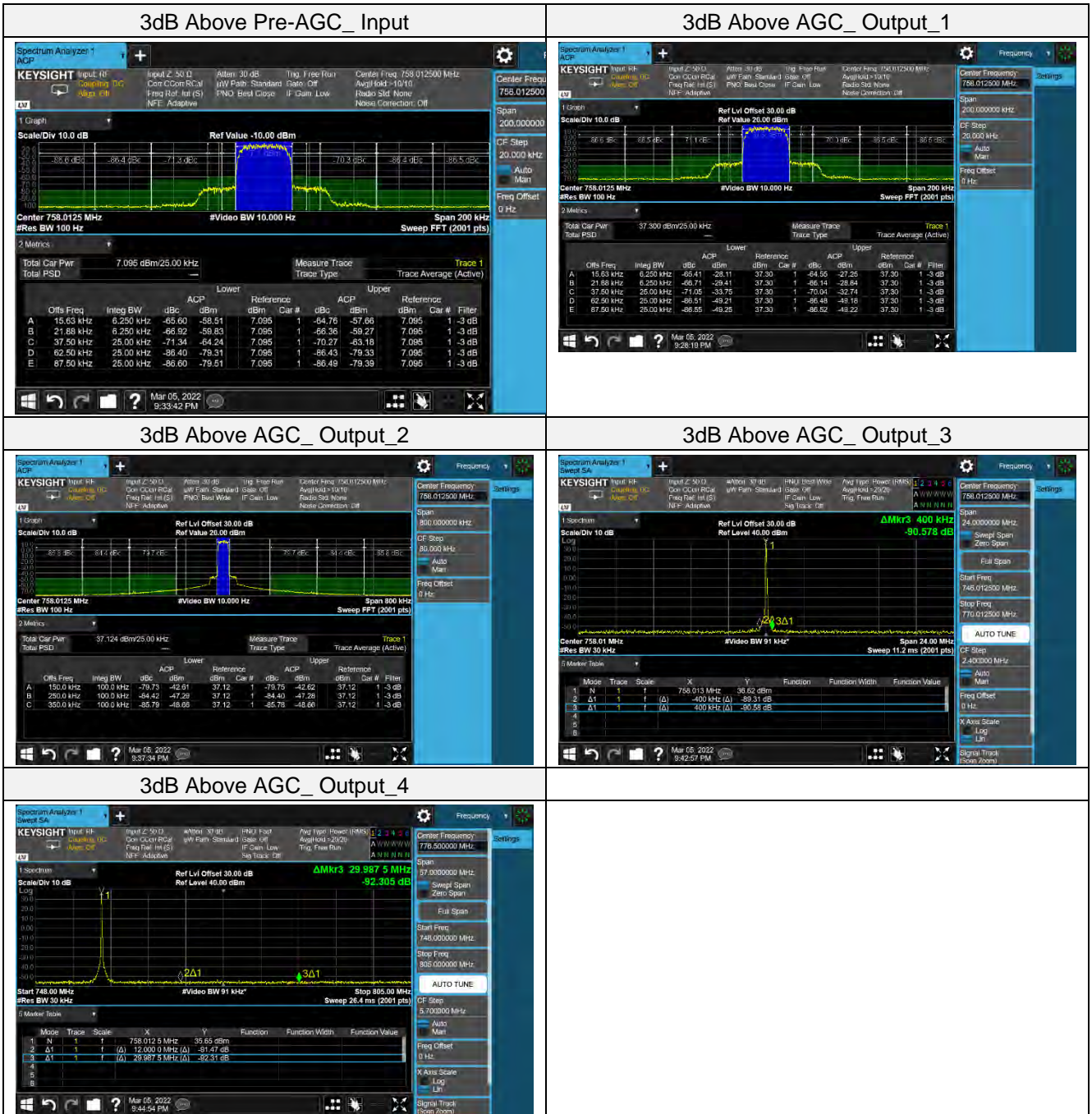


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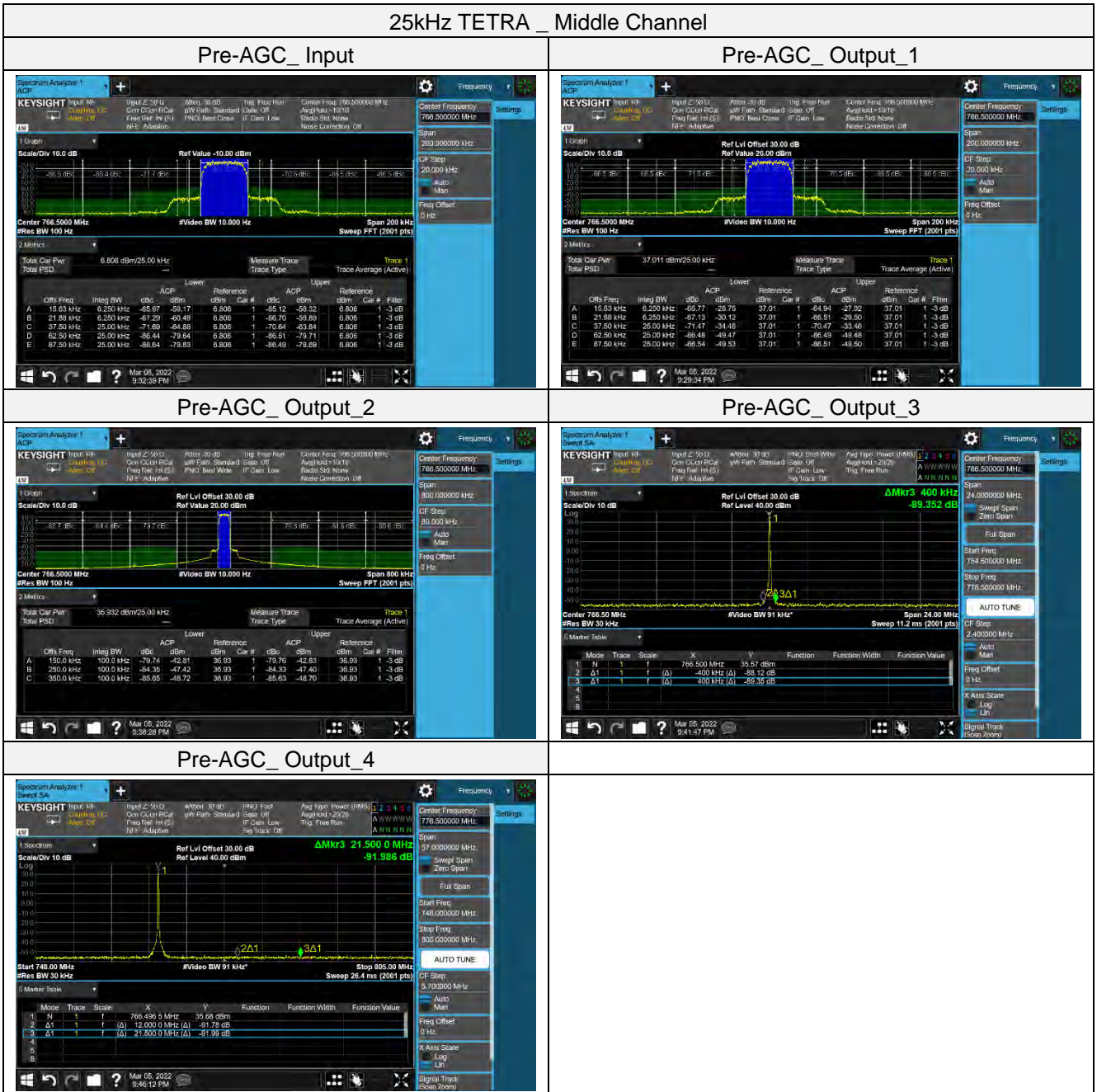


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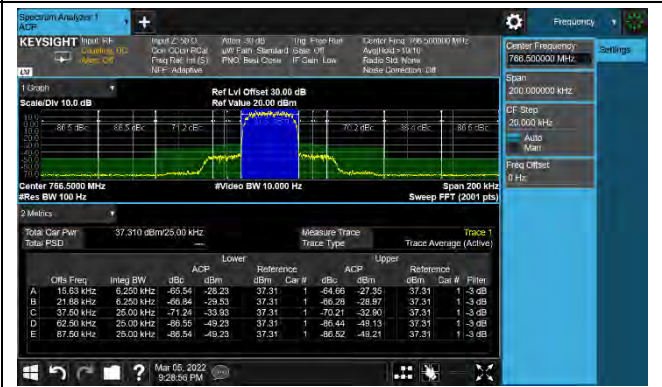
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3dB Above Pre-AGC_ Input



3dB Above AGC_ Output_1



3dB Above AGC_ Output_2



3dB Above AGC_ Output_3



3dB Above AGC_ Output_4

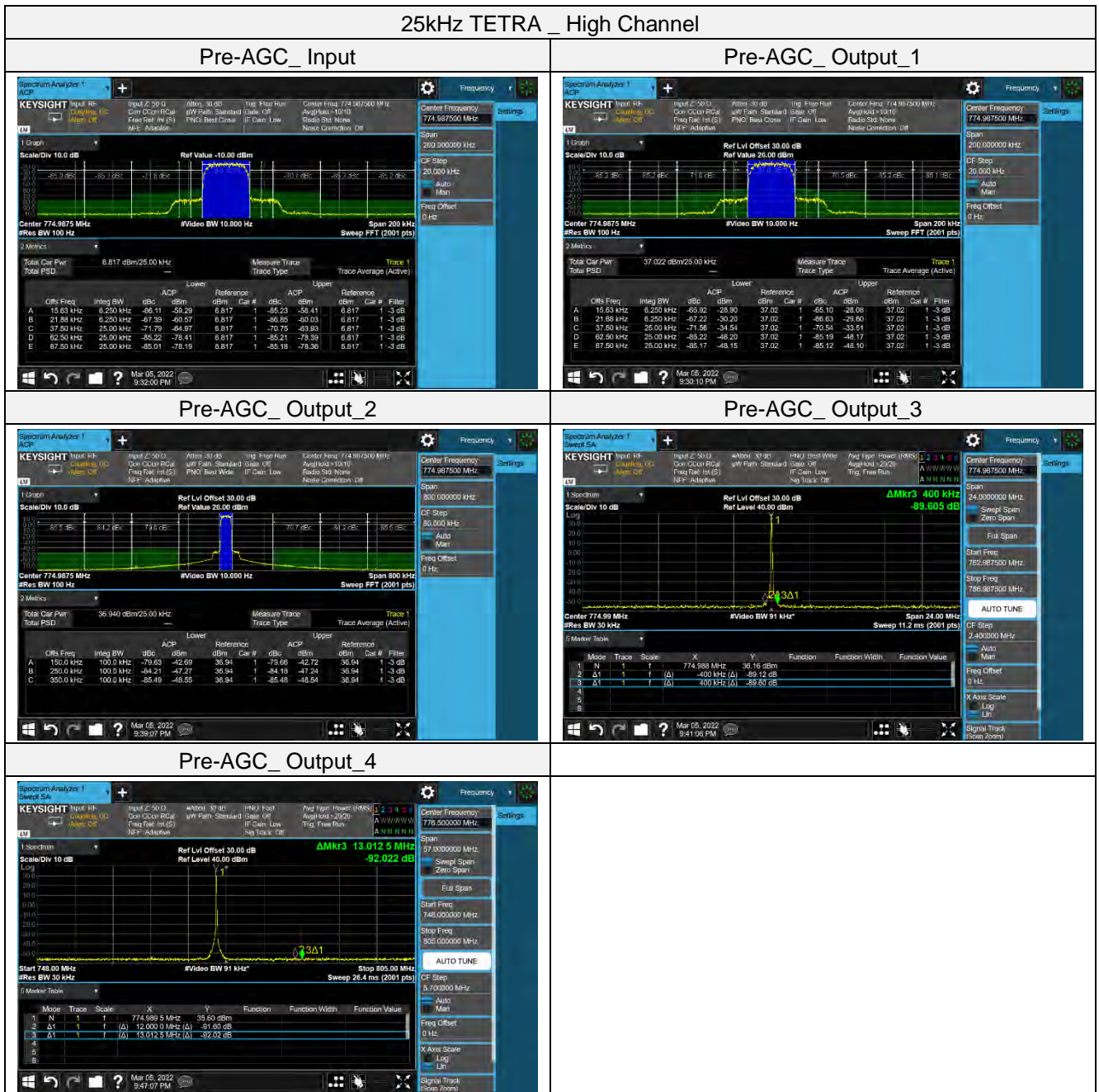


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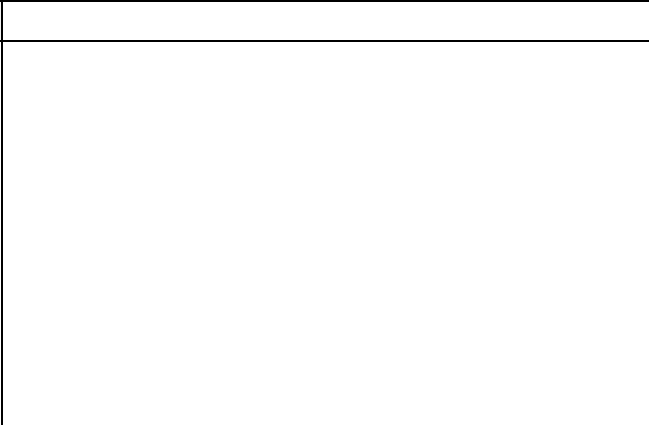
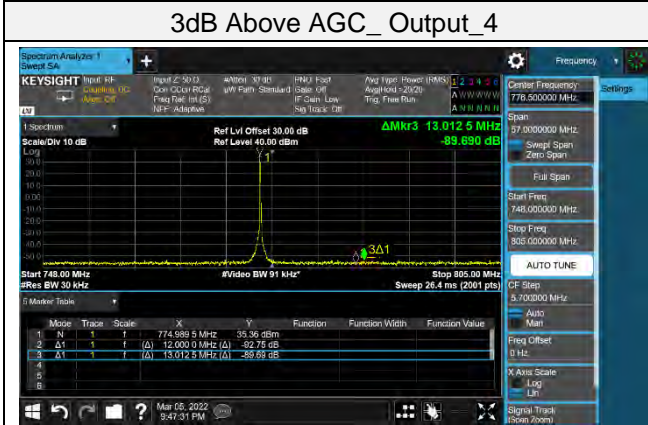


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MASK_Emission Mask C				
Channel Spacing (kHz)	Signal Level	Test Channel	Signal Type	Result
6.25kHz (CQPSK)	Pre-AGC	Low Channel	Input	Pass
			Output	Pass
		Middle Channel	Input	Pass
			Output	Pass
		High Channel	Input	Pass
			Output	Pass
	3dB Above AGC	Low Channel	Input	Pass
			Output	Pass
		Middle Channel	Input	Pass
			Output	Pass
		High Channel	Input	Pass
			Output	Pass
12.5kHz (FM)	Pre-AGC	Low Channel	Input	Pass
			Output	Pass
		Middle Channel	Input	Pass
			Output	Pass
		High Channel	Input	Pass
			Output	Pass
	3dB Above AGC	Low Channel	Input	Pass
			Output	Pass
		Middle Channel	Input	Pass
			Output	Pass
		High Channel	Input	Pass
			Output	Pass



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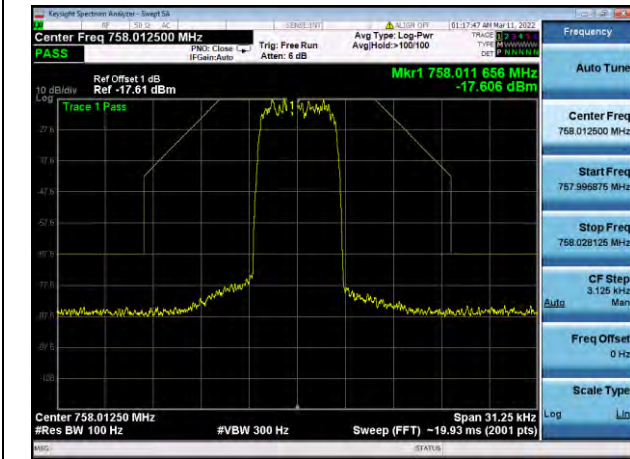
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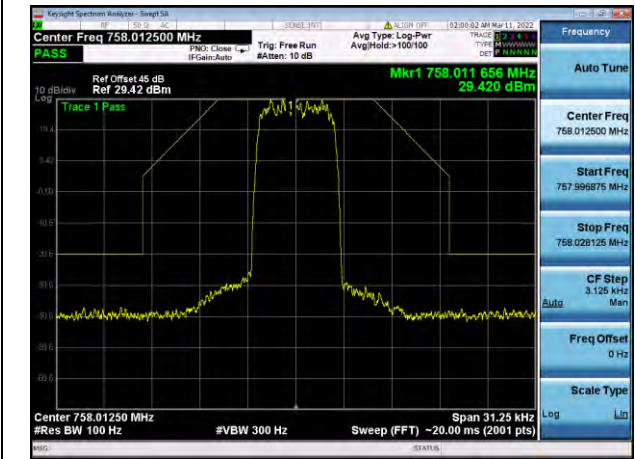
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6.25kHz CQPSK _ Low Channel

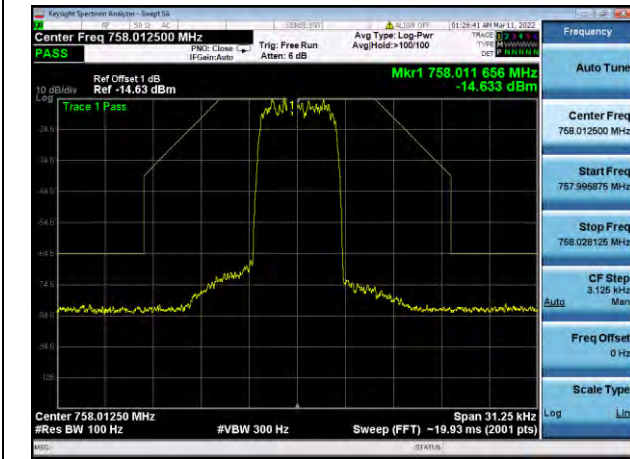
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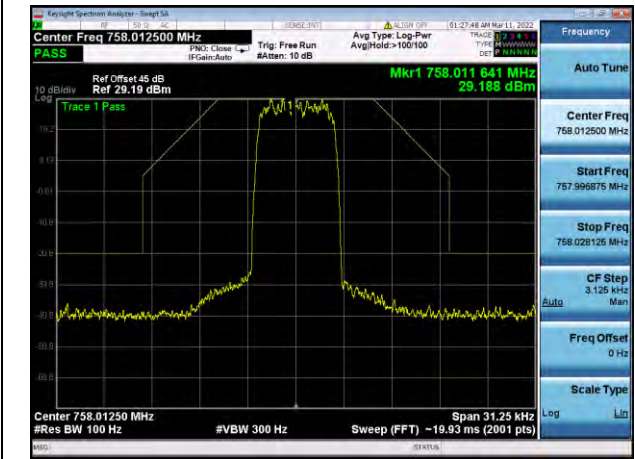
Pre-AGC_ Output



3dB Above Pre-AGC_ Output

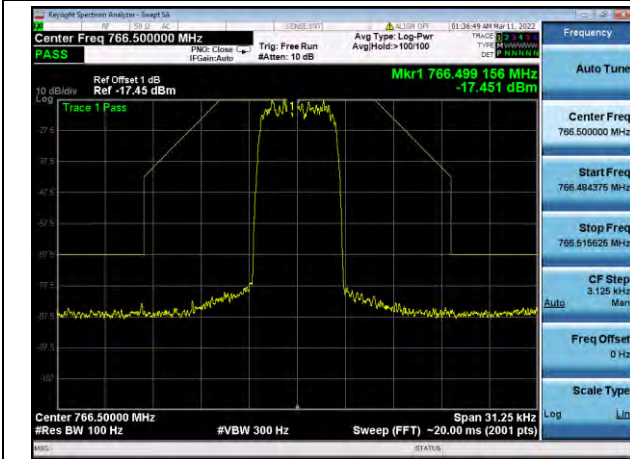


3dB Above Pre-AGC_ Output

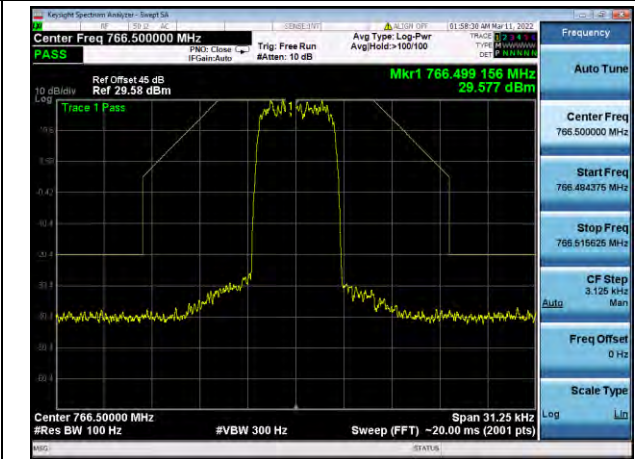


6.25kHz CQPSK _ Middle Channel

Pre-AGC_ Input

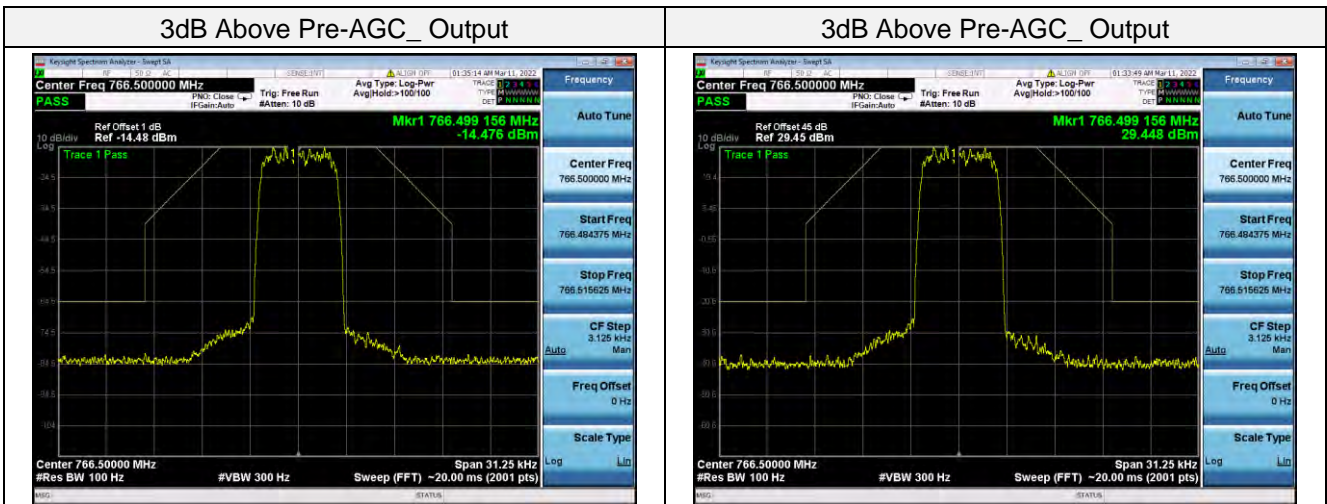


Pre-AGC_ Output

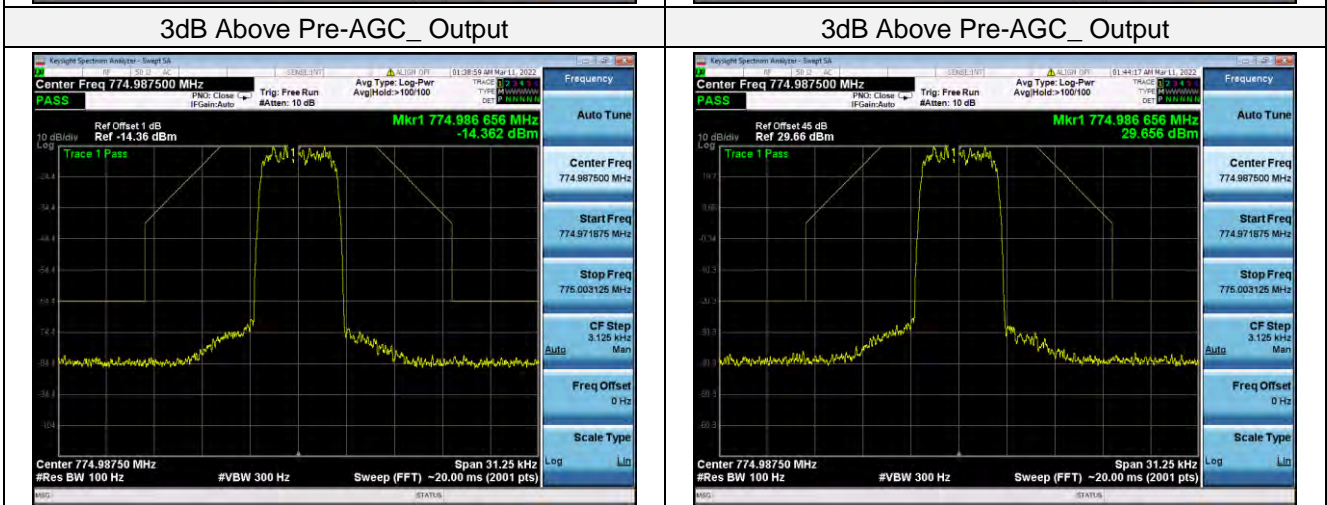
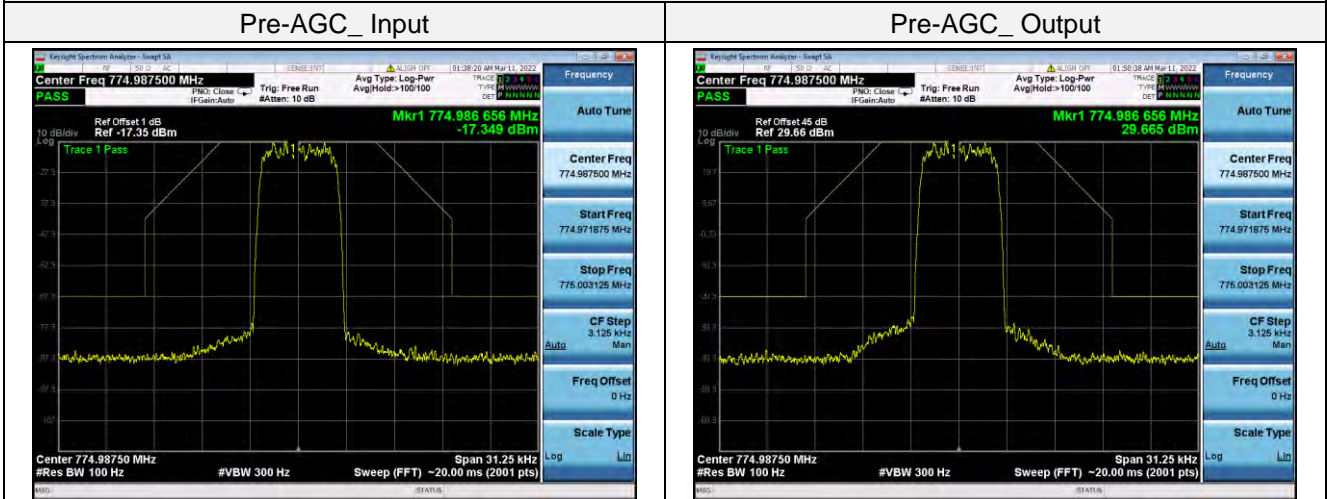


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6.25kHz CQPSK _ High Channel



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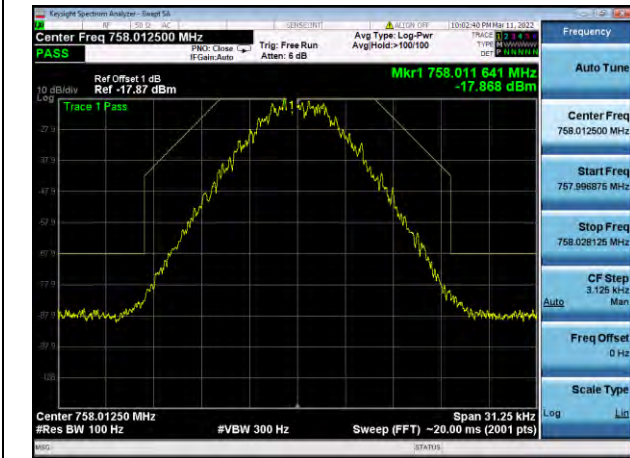
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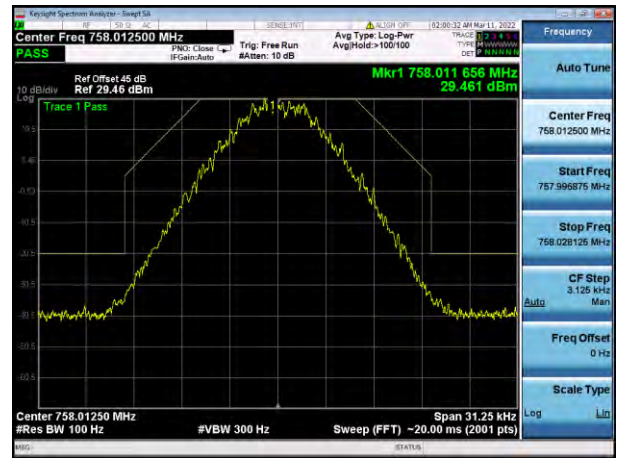
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12.5kHz FM _ Low Channel

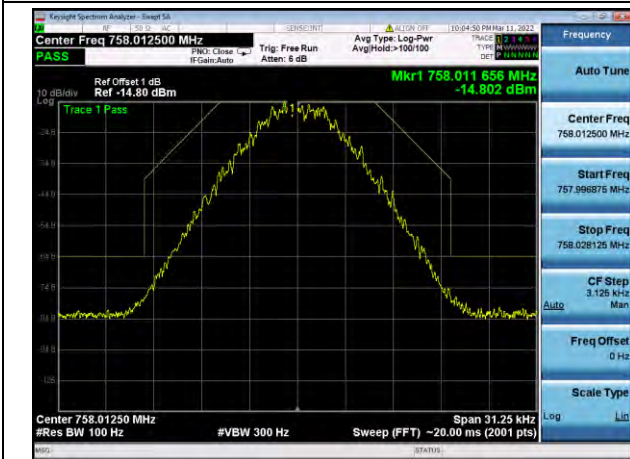
Pre-AGC_ Input



Pre-AGC_ Output



3dB Above Pre-AGC_ Output

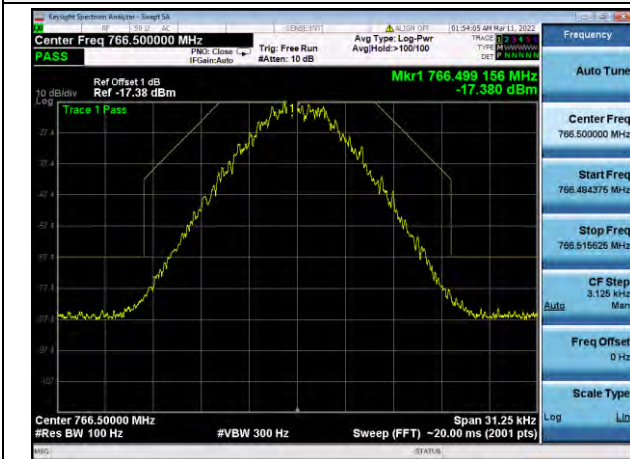


3dB Above Pre-AGC_ Output



12.5kHz FM _ Middle Channel

Pre-AGC_ Input

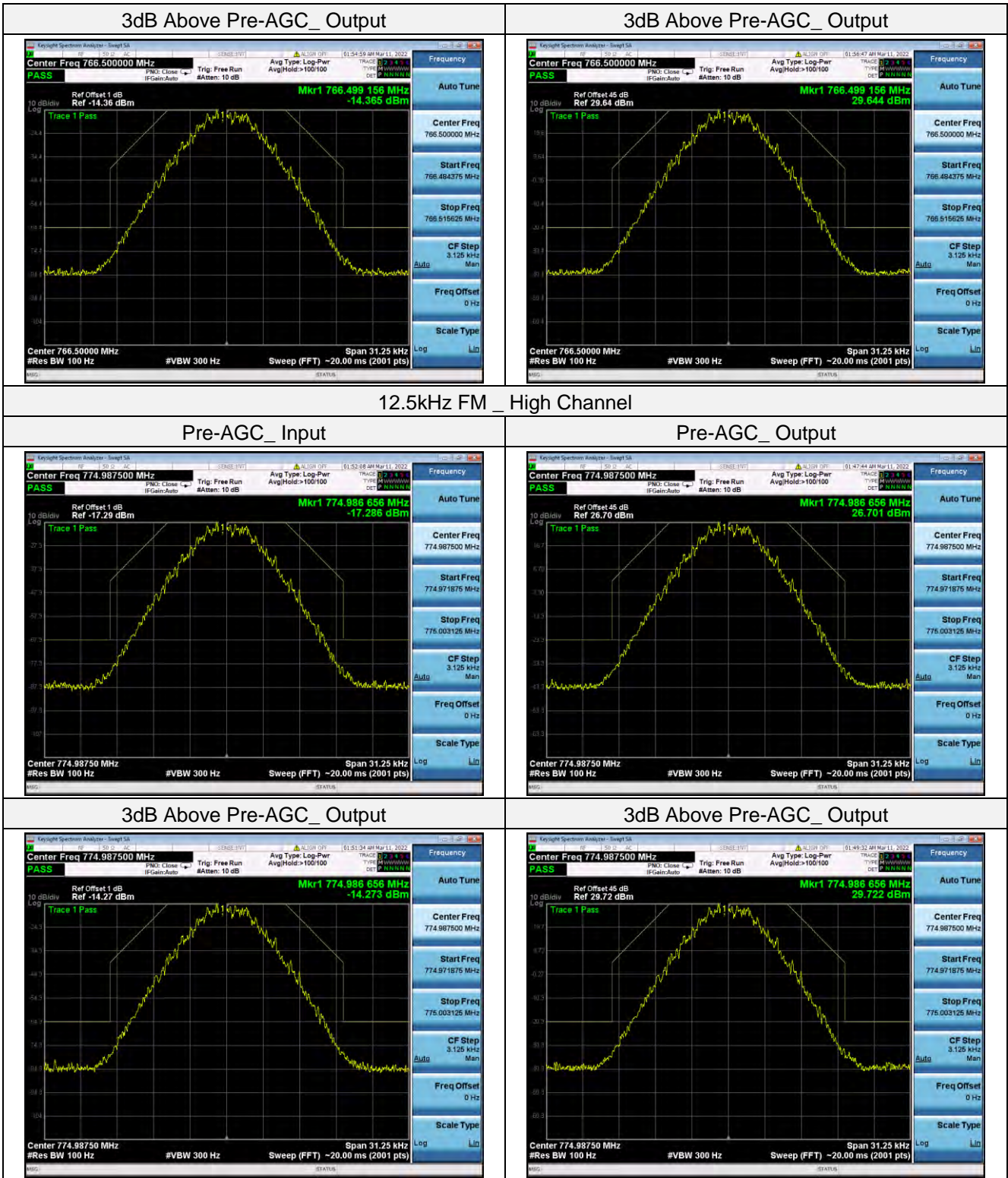


Pre-AGC_ Output



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