

Appendix E - Input-versus-output signal comparison
Test Data:

Occupied Bandwidth					
Frequency Band (MHz)	Channel Spacing (kHz)	Signal Level	Test Frequency F ₀ (MHz)	Signal Type	99% Occupied Channel Bandwidth (kHz)
929 - 930	6.25kHz (CQPSK)	Pre-AGC	929.968	Input	4.879
				Output	4.880
		3dB Above AGC	929.968	Input	4.879
				Output	4.880
	12.5kHz (FM)	Pre-AGC	929.968	Input	9.780
				Output	9.779
		3dB Above AGC	929.968	Input	9.784
				Output	9.782
	25kHz (TETRA)	Pre-AGC	929.968	Input	20.989
				Output	21.002
		3dB Above AGC	929.968	Input	21.052
				Output	21.032
930 - 931	6.25kHz (CQPSK)	Pre-AGC	930.986	Input	4.878
				Output	4.878
		3dB Above AGC	930.986	Input	4.880
				Output	4.880
931 - 932	6.25kHz (CQPSK)	Pre-AGC	931.782	Input	4.880
				Output	4.880
		3dB Above AGC	931.782	Input	4.880
				Output	4.880
932 - 935	6.25kHz (CQPSK)	Pre-AGC	933.255	Input	4.848
				Output	4.864
		3dB Above AGC	933.255	Input	4.832
				Output	4.863
935 - 940	6.25kHz (CQPSK)	Pre-AGC	938.334	Input	4.882
				Output	4.880
		3dB Above AGC	938.334	Input	4.881
				Output	4.880
940 - 941	6.25kHz (CQPSK)	Pre-AGC	940.140	Input	4.880
				Output	4.880
		3dB Above AGC	940.140	Input	4.880
				Output	4.878



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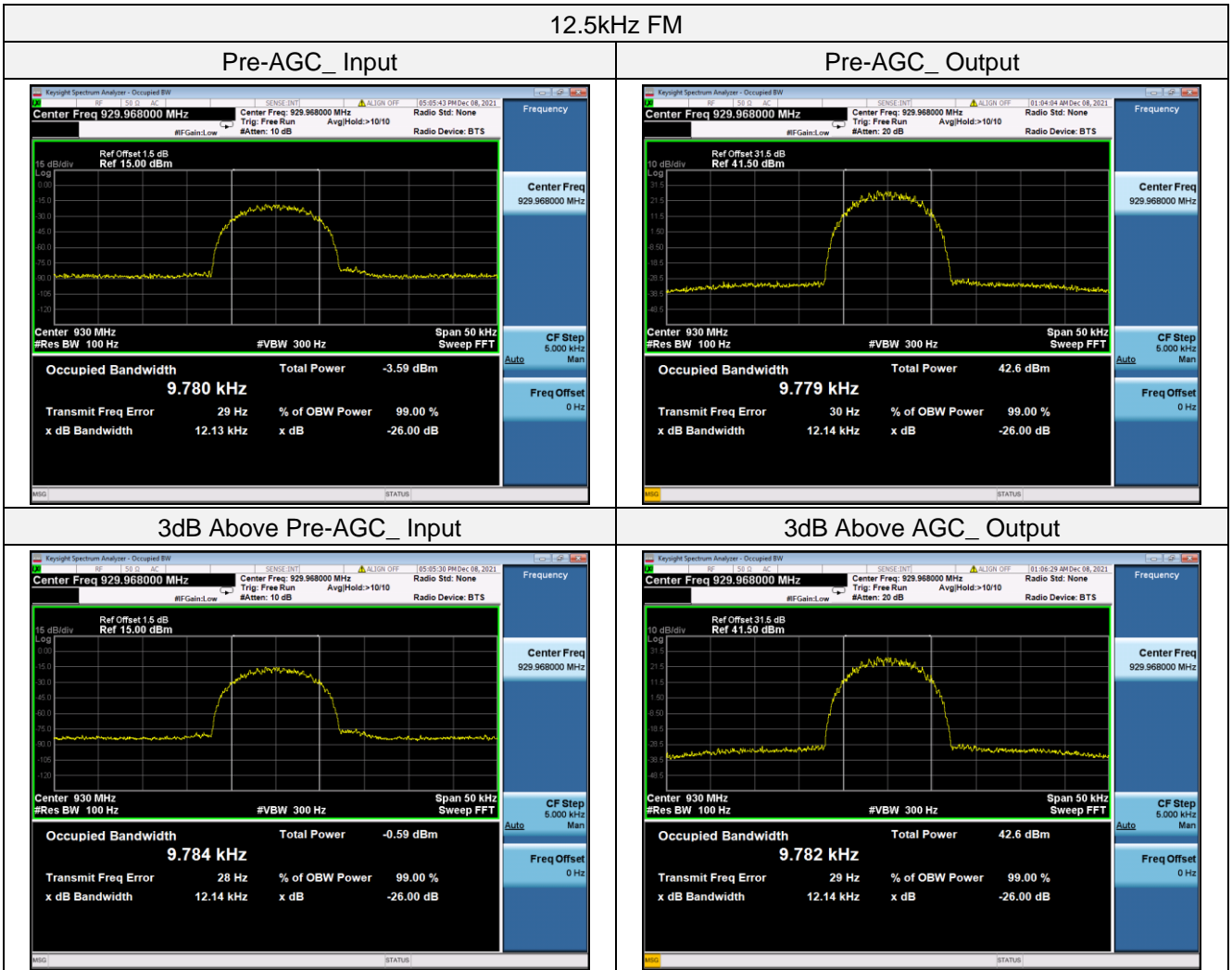
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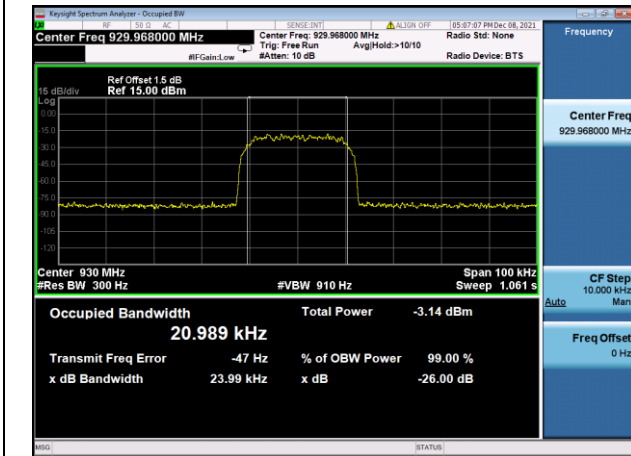


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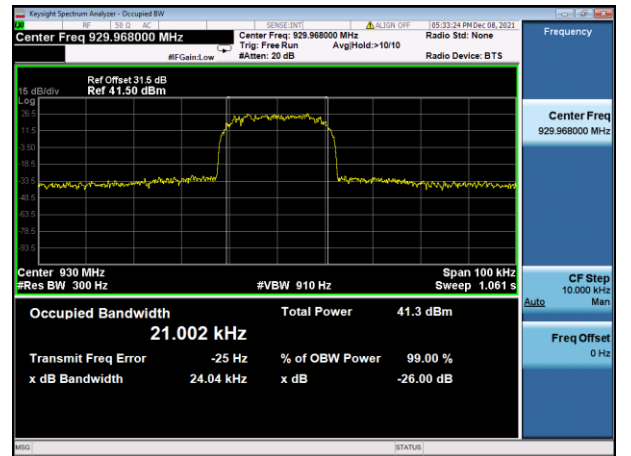
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25kHz TETRA

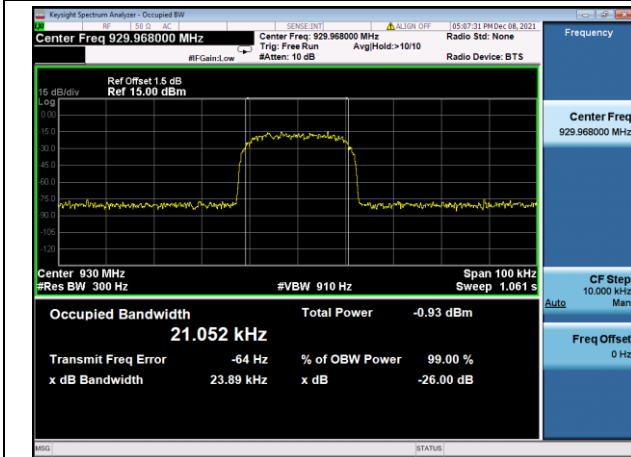
Pre-AGC_ Input



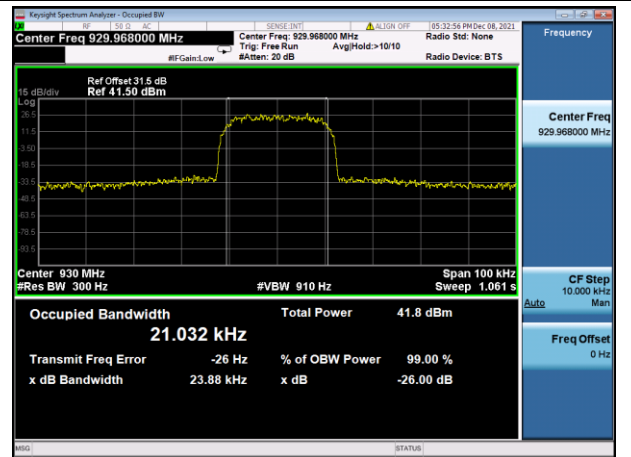
Pre-AGC_ Output



3dB Above Pre-AGC_ Input



3dB Above AGC_ Output



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Emission MASK					
Frequency Band (MHz)	Channel Spacing (kHz)	Signal Level	Test Frequency F ₀ (MHz)	Signal Type	Result
929 - 930 (Mask G)	6.25kHz (CQPSK)	Pre-AGC	929.968 / 930.986 / 931.782 / 933.255 / 938.334 / 940.140	Input	Pass
930 - 931 (Mask C)				Output	Pass
931 - 932 (Mask C)		3dB Above AGC	929.968 / 930.986 / 931.782 / 933.255 / 938.334 / 940.140	Input	Pass
932 - 935 (Mask C)				Output	Pass
935 - 940 (Mask J)				Input	Pass
940 - 941 (Mask C)				Output	Pass
929 - 930 (Mask G)	12.5kHz (FM)	Pre-AGC	929.968	Input	Pass
				Output	Pass
		3dB Above AGC	929.968	Input	Pass
				Output	Pass
	25kHz (TETRA)	Pre-AGC	929.968	Input	Pass
				Output	Pass
		3dB Above AGC	929.968	Input	Pass
				Output	Pass

Remark: The Total Power Ref is the same value as the unmodulated carrier output power (P).



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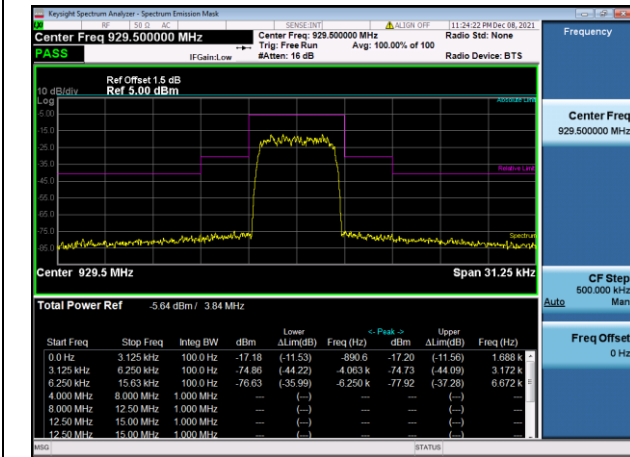
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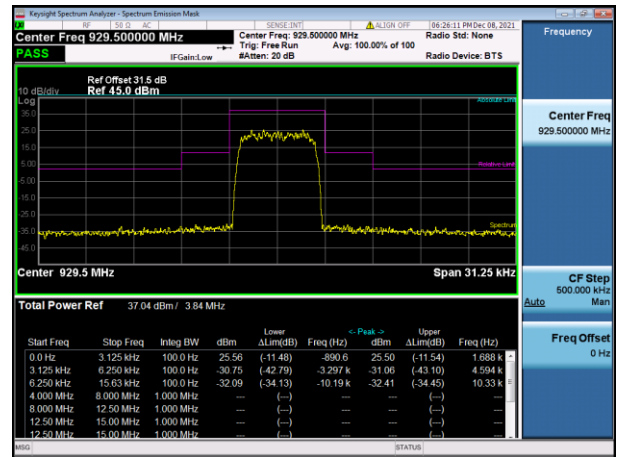
929 - 930MHz

6.25kHz CQPSK

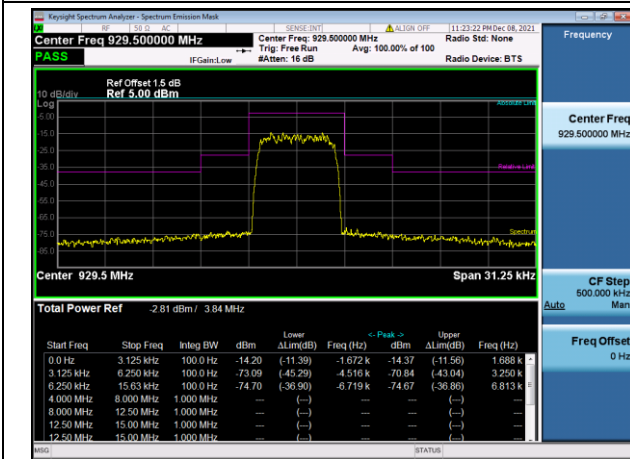
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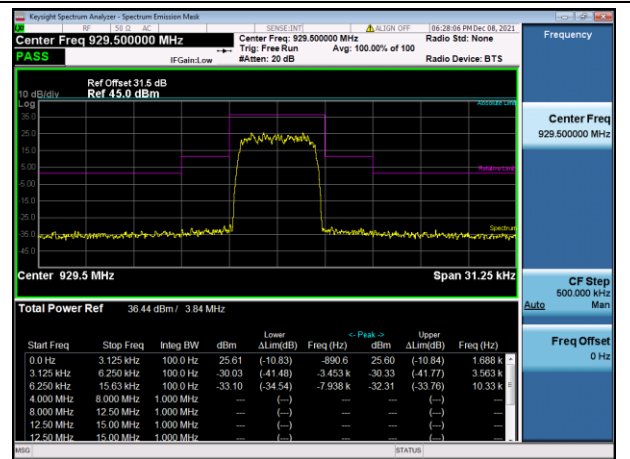
Pre-AGC_Output



3dB Above Pre-AGC_Input

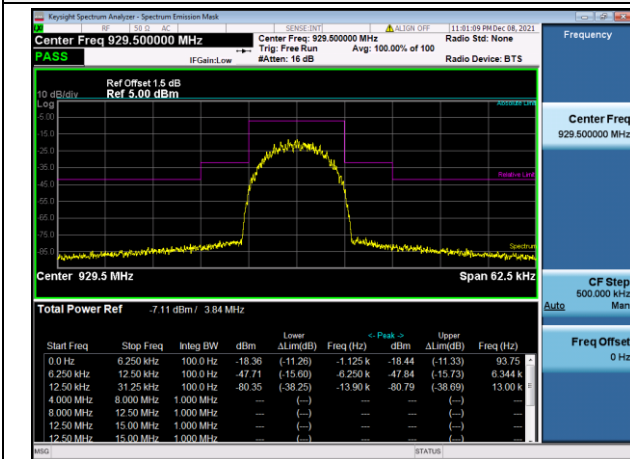


3dB Above AGC_Output

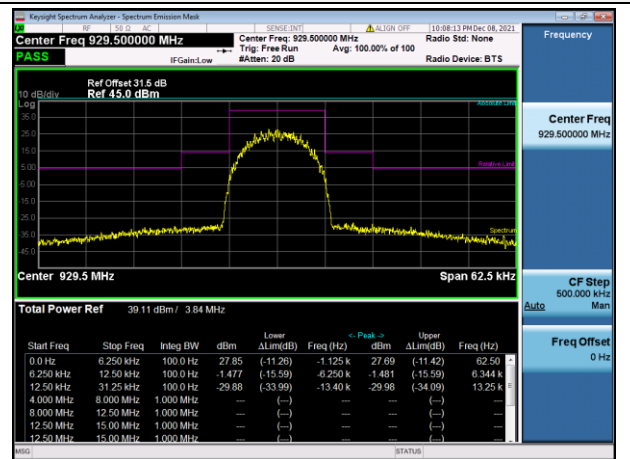


12.5kHz FM

Pre-AGC_Input



Pre-AGC_Output



3dB Above Pre-AGC_Input

3dB Above AGC_Output

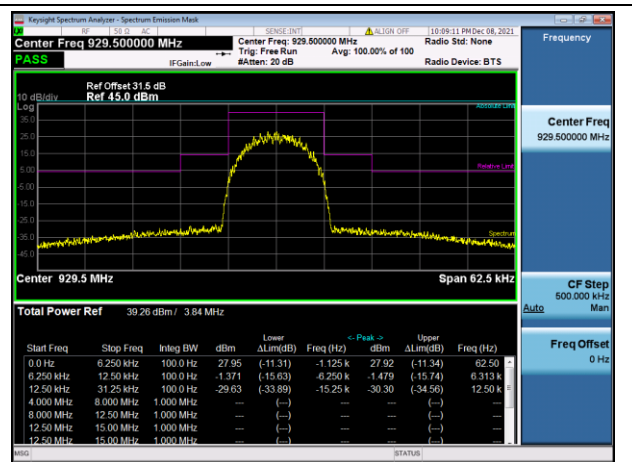
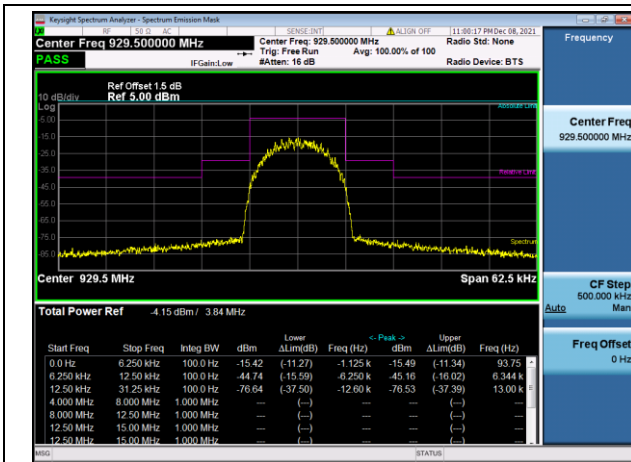


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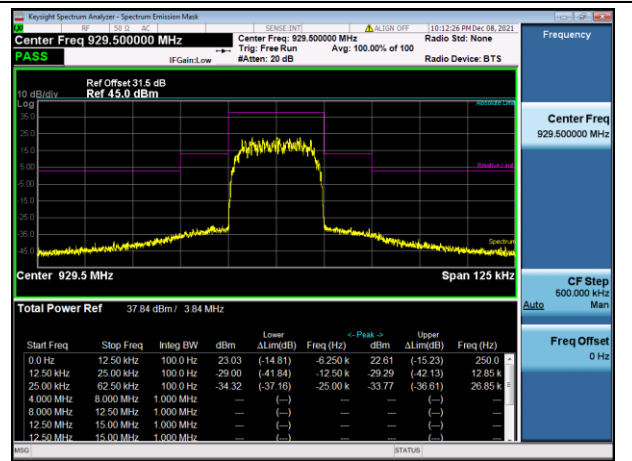
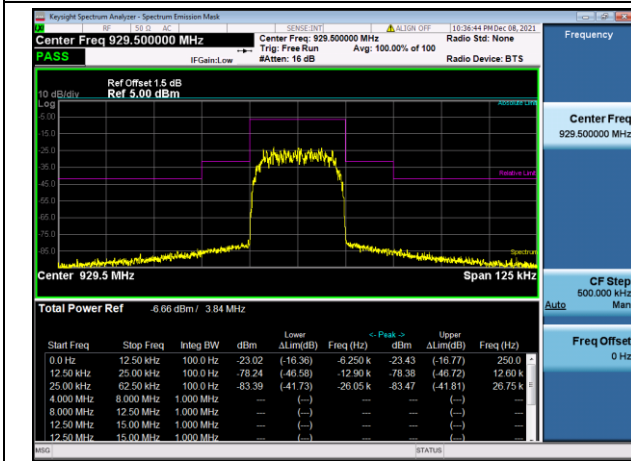
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25kHz TETRA

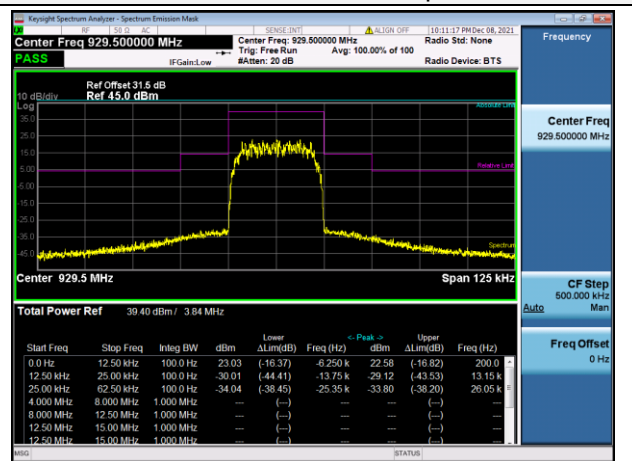
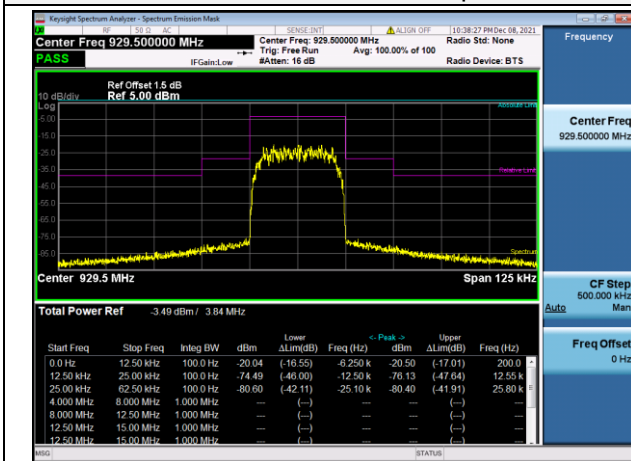
Pre-AGC_ Input

Pre-AGC_ Output



3dB Above Pre-AGC_ Input

3dB Above AGC_ Output



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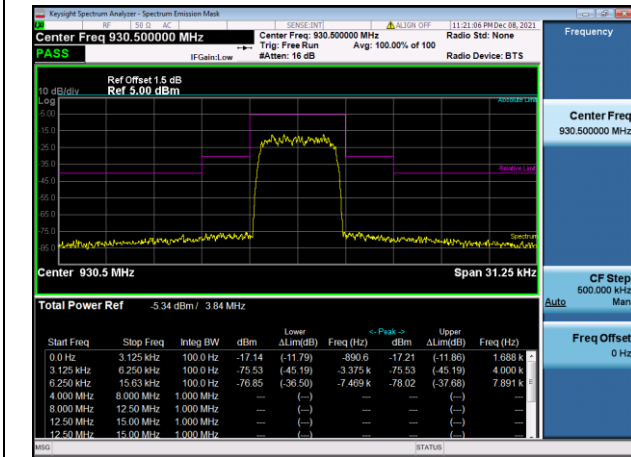
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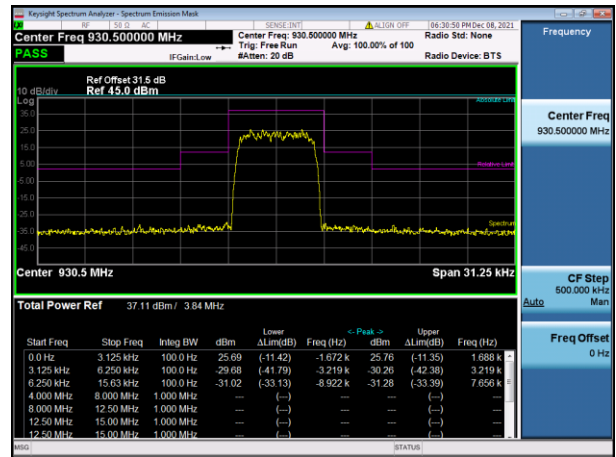
930 - 931MHz

6.25kHz CQPSK

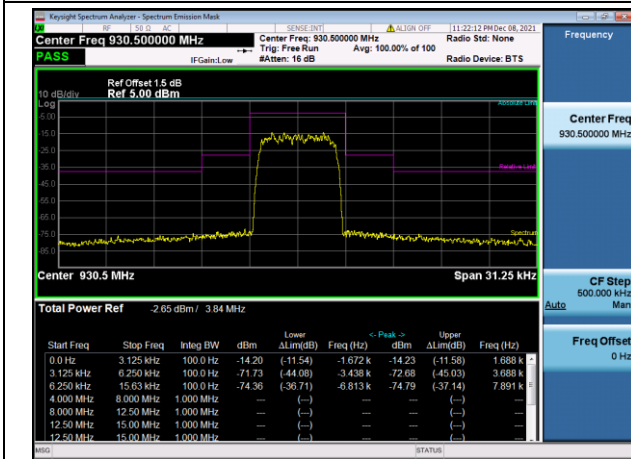
Pre-AGC_Input



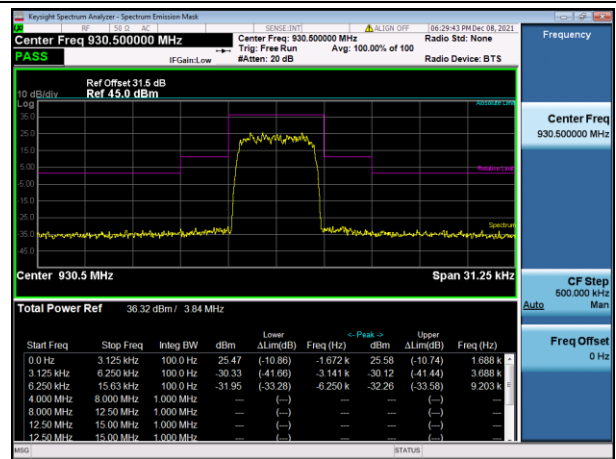
Pre-AGC_Output



3dB Above Pre-AGC_Input



3dB Above AGC_Output



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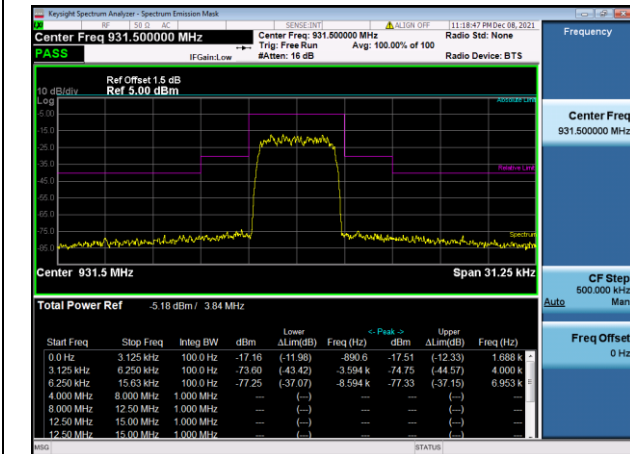
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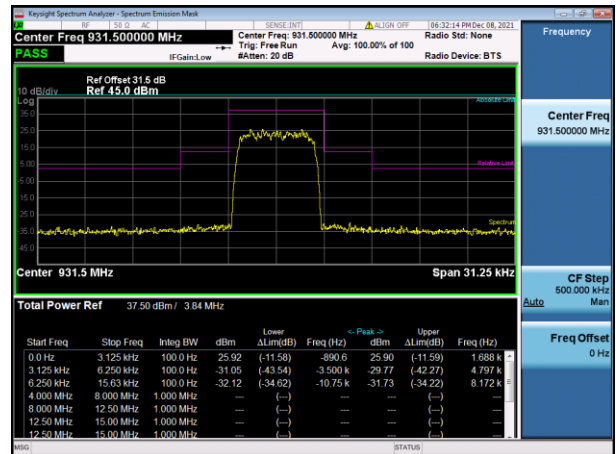
931 - 932MHz

6.25kHz CQPSK

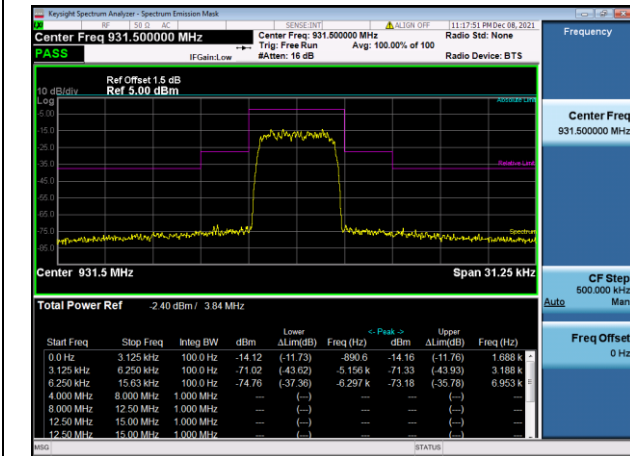
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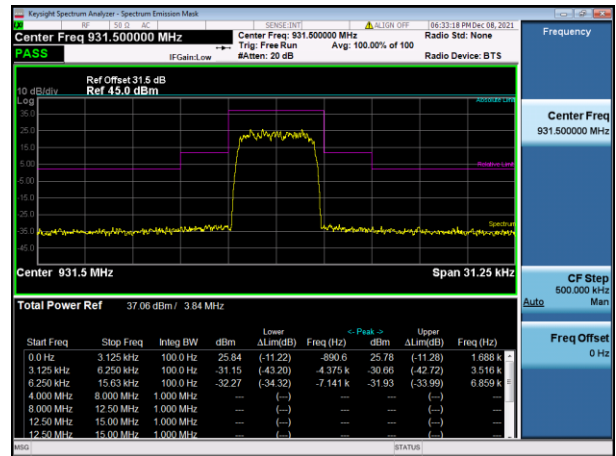
Pre-AGC_Output



3dB Above Pre-AGC_Input



3dB Above AGC_Output



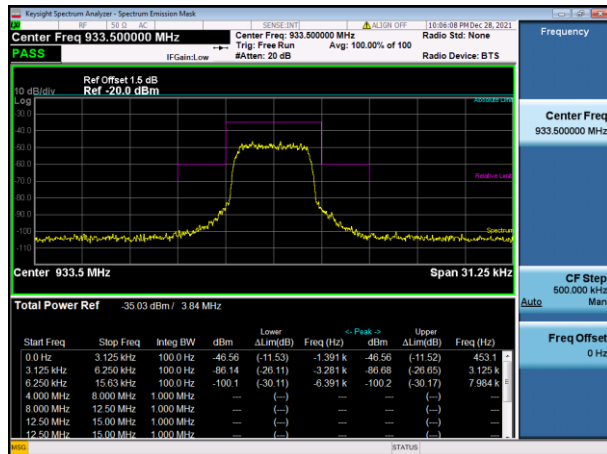
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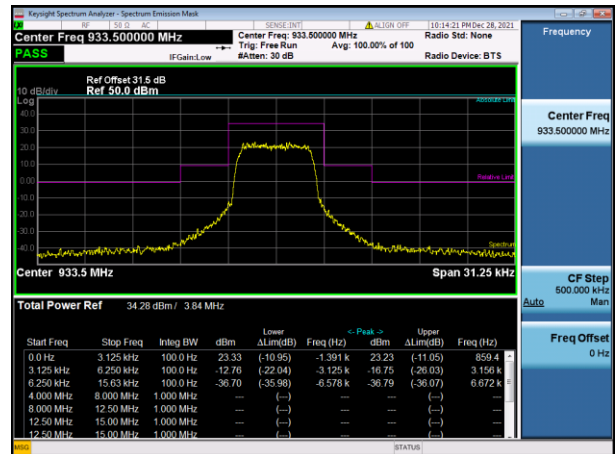
932 - 935MHz

6.25kHz CQPSK

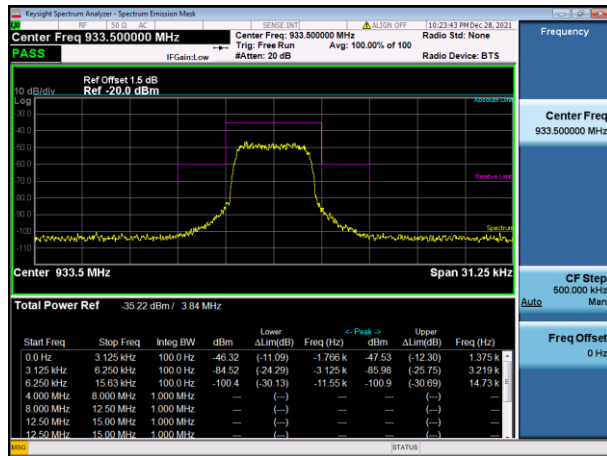
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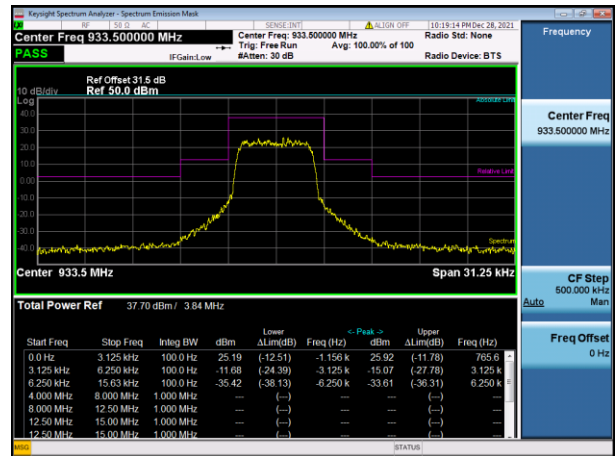
Pre-AGC_Output



3dB Above Pre-AGC_Input



3dB Above AGC_Output



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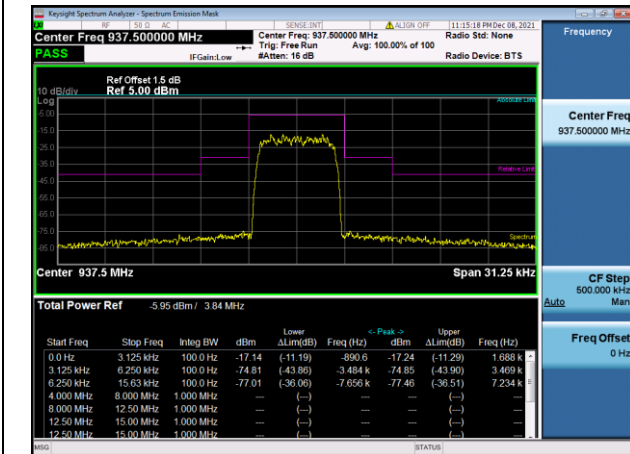
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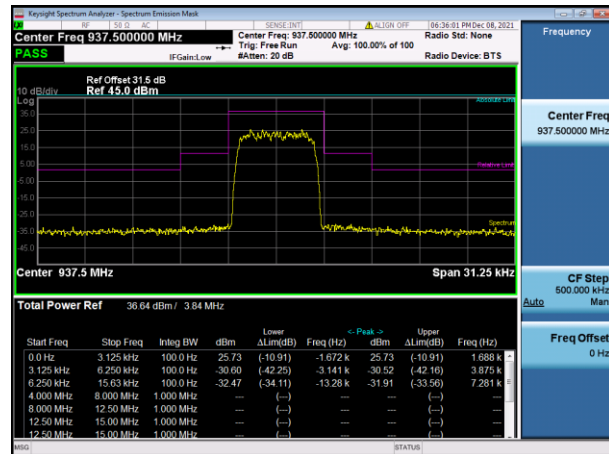
935 - 940MHz

6.25kHz CQPSK

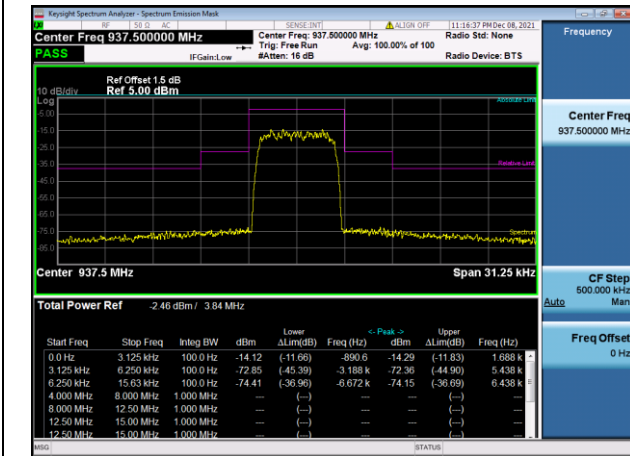
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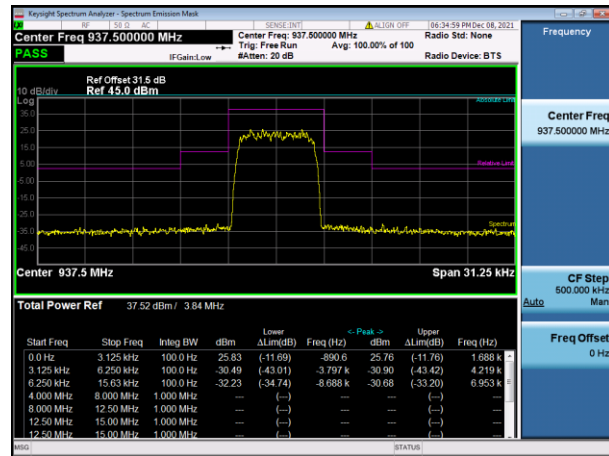
Pre-AGC_Output



3dB Above Pre-AGC_Input



3dB Above AGC_Output



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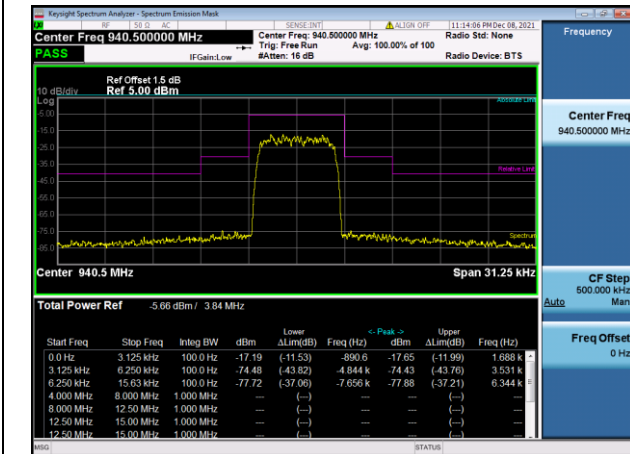
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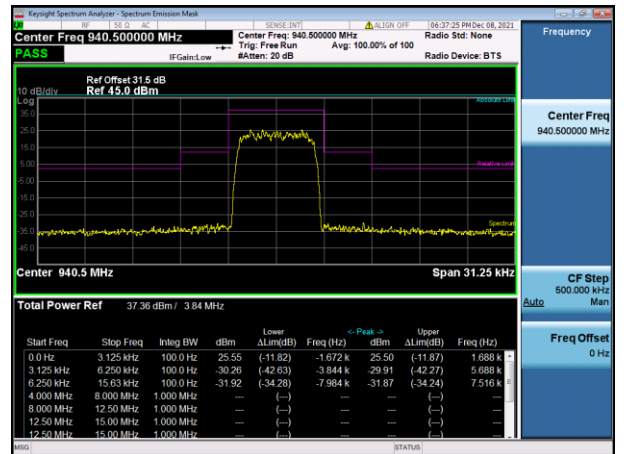
940 - 941MHz

6.25kHz CQPSK

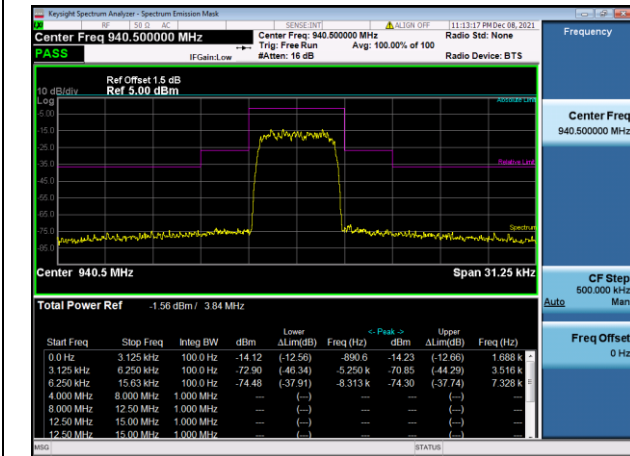
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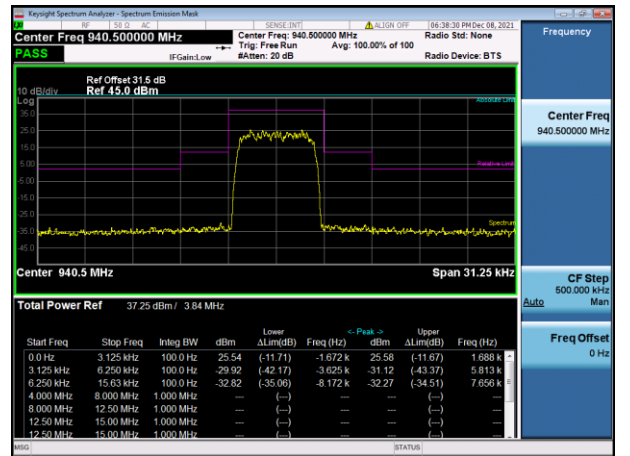
Pre-AGC_Output



3dB Above Pre-AGC_Input



3dB Above AGC_Output



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