

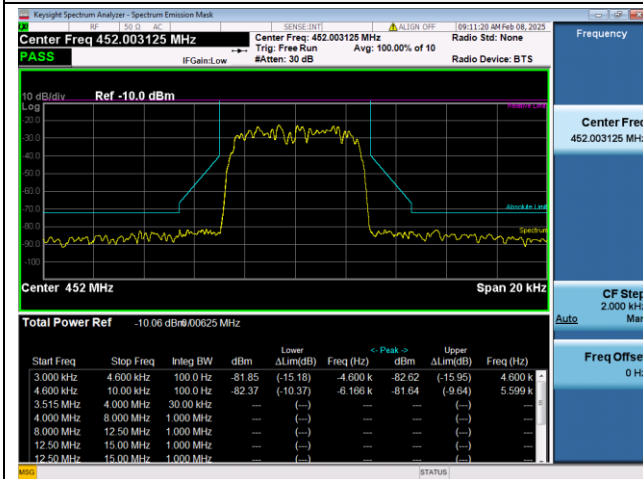
Appendix H for Emission Mask

MASK Emission						
Channel Spacing (kHz)	Signal Level	Test Channel	Signal Type	Displacement Frequency, fd (kHz)	Limit	Result
6.25kHz (CQPSK)	Pre-AGC	Low Channel	Input	$3 < fd \leq 4.6$	$30 + 16.67(fd-3)$	Pass
				$fd > 4.6$	$55 + 10 \log_{10}(p)$	Pass
			Output	$3 < fd \leq 4.6$	$30 + 16.67(fd-3)$	Pass
				$fd > 4.6$	$55 + 10 \log_{10}(p)$	Pass
		Middle Channel	Input	$3 < fd \leq 4.6$	$30 + 16.67(fd-3)$	Pass
				$fd > 4.6$	$55 + 10 \log_{10}(p)$	Pass
			Output	$3 < fd \leq 4.6$	$30 + 16.67(fd-3)$	Pass
				$fd > 4.6$	$30 + 16.67(fd-3)$	Pass
		High Channel	Input	$3 < fd \leq 4.6$	$55 + 10 \log_{10}(p)$	Pass
				$fd > 4.6$	$55 + 10 \log_{10}(p)$	Pass
			Output	$3 < fd \leq 4.6$	$30 + 16.67(fd-3)$	Pass
				$fd > 4.6$	$55 + 10 \log_{10}(p)$	Pass
	3dB Above AGC	Low Channel	Input	$3 < fd \leq 4.6$	$30 + 16.67(fd-3)$	Pass
				$fd > 4.6$	$55 + 10 \log_{10}(p)$	Pass
			Output	$3 < fd \leq 4.6$	$30 + 16.67(fd-3)$	Pass
				$fd > 4.6$	$55 + 10 \log_{10}(p)$	Pass
		Middle Channel	Input	$3 < fd \leq 4.6$	$30 + 16.67(fd-3)$	Pass
				$fd > 4.6$	$55 + 10 \log_{10}(p)$	Pass
			Output	$3 < fd \leq 4.6$	$30 + 16.67(fd-3)$	Pass
				$fd > 4.6$	$55 + 10 \log_{10}(p)$	Pass
		High Channel	Input	$3 < fd \leq 4.6$	$30 + 16.67(fd-3)$	Pass
				$fd > 4.6$	$55 + 10 \log_{10}(p)$	Pass
			Output	$3 < fd \leq 4.6$	$30 + 16.67(fd-3)$	Pass
				$fd > 4.6$	$55 + 10 \log_{10}(p)$	Pass
12.5kHz (FM)	Pre-AGC	Low Channel	Input	$5.625 < fd \leq 12.5$	$7.27(fd-2.88)$	Pass
				$fd > 12.5$	$50 + 10 \log_{10}(p)$	Pass
			Output	$5.625 < fd \leq 12.5$	$7.27(fd-2.88)$	Pass
				$fd > 12.5$	$50 + 10 \log_{10}(p)$	Pass
		Middle Channel	Input	$5.625 < fd \leq 12.5$	$7.27(fd-2.88)$	Pass
				$fd > 12.5$	$50 + 10 \log_{10}(p)$	Pass
			Output	$5.625 < fd \leq 12.5$	$7.27(fd-2.88)$	Pass
				$fd > 12.5$	$50 + 10 \log_{10}(p)$	Pass
		High Channel	Input	$5.625 < fd \leq 12.5$	$7.27(fd-2.88)$	Pass
				$fd > 12.5$	$50 + 10 \log_{10}(p)$	Pass
			Output	$5.625 < fd \leq 12.5$	$7.27(fd-2.88)$	Pass
				$fd > 12.5$	$50 + 10 \log_{10}(p)$	Pass
	3dB Above AGC	Low Channel	Input	$5.625 < fd \leq 12.5$	$7.27(fd-2.88)$	Pass
				$fd > 12.5$	$50 + 10 \log_{10}(p)$	Pass
			Output	$5.625 < fd \leq 12.5$	$7.27(fd-2.88)$	Pass
				$fd > 12.5$	$50 + 10 \log_{10}(p)$	Pass
		Middle Channel	Input	$5.625 < fd \leq 12.5$	$7.27(fd-2.88)$	Pass
				$fd > 12.5$	$50 + 10 \log_{10}(p)$	Pass
			Output	$5.625 < fd \leq 12.5$	$7.27(fd-2.88)$	Pass
				$fd > 12.5$	$50 + 10 \log_{10}(p)$	Pass

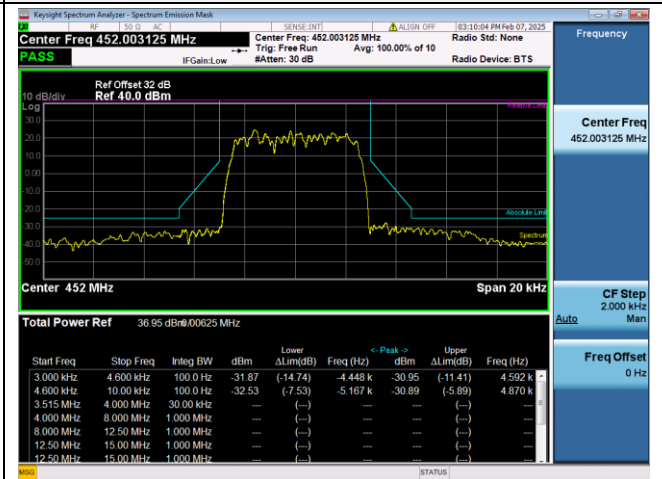
25KHz (TETRA)		High Channel	Input	$5.625 < f_d \leq 12.5$	$7.27(f_d - 2.88)$	Pass
				$f_d > 12.5$	$50 + 10 \log_{10}(p)$	Pass
		Output		$5.625 < f_d \leq 12.5$	$7.27(f_d - 2.88)$	Pass
				$f_d > 12.5$	$50 + 10 \log_{10}(p)$	Pass
	Pre- AGC	Low Channel	Input	$f_d > 12.5$	25	Pass
				$12.5 < f_d \leq 50$	35	Pass
			Output	$f_d > 12.5$	25	Pass
				$12.5 < f_d \leq 50$	35	Pass
		Middle Channel	Input	$f_d > 12.5$	25	Pass
				$12.5 < f_d \leq 50$	35	Pass
			Output	$f_d > 12.5$	25	Pass
				$12.5 < f_d \leq 50$	35	Pass
		High Channel	Input	$f_d > 12.5$	25	Pass
				$12.5 < f_d \leq 50$	35	Pass
			Output	$f_d > 12.5$	25	Pass
				$12.5 < f_d \leq 50$	35	Pass
	3dB Above AGC	Low Channel	Input	$f_d > 12.5$	25	Pass
				$12.5 < f_d \leq 50$	35	Pass
			Output	$f_d > 12.5$	25	Pass
				$12.5 < f_d \leq 50$	35	Pass
		Middle Channel	Input	$f_d > 12.5$	25	Pass
				$12.5 < f_d \leq 50$	35	Pass
			Output	$f_d > 12.5$	25	Pass
				$12.5 < f_d \leq 50$	35	Pass
		High Channel	Input	$f_d > 12.5$	25	Pass
				$12.5 < f_d \leq 50$	35	Pass
			Output	$f_d > 12.5$	25	Pass
				$12.5 < f_d \leq 50$	35	Pass

6.25kHz CQPSK _ Low Channel

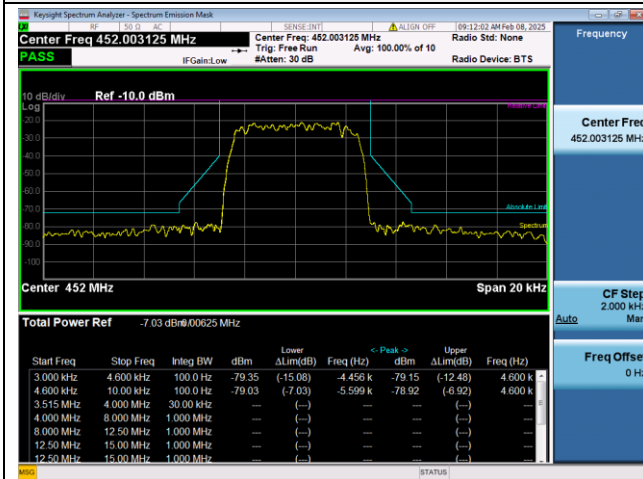
Pre-AGC_Input



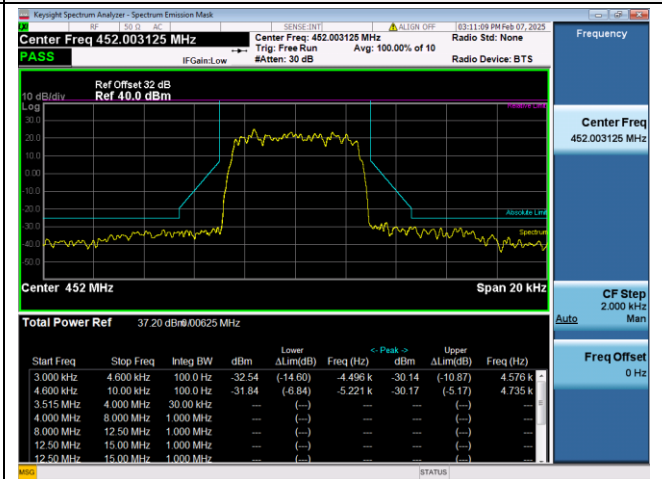
Pre-AGC_Output



3dB Above Pre-AGC_Input

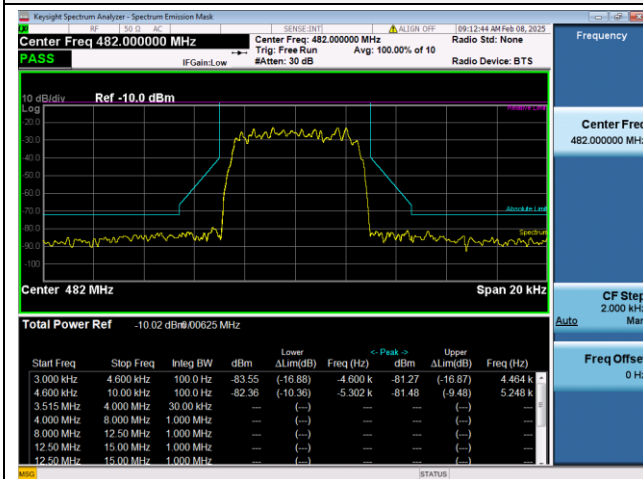


3dB Above Pre-AGC_Output

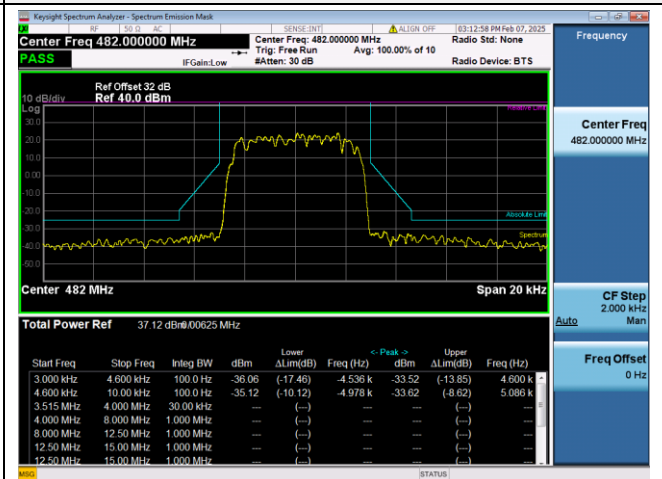


6.25kHz CQPSK _ Middle Channel

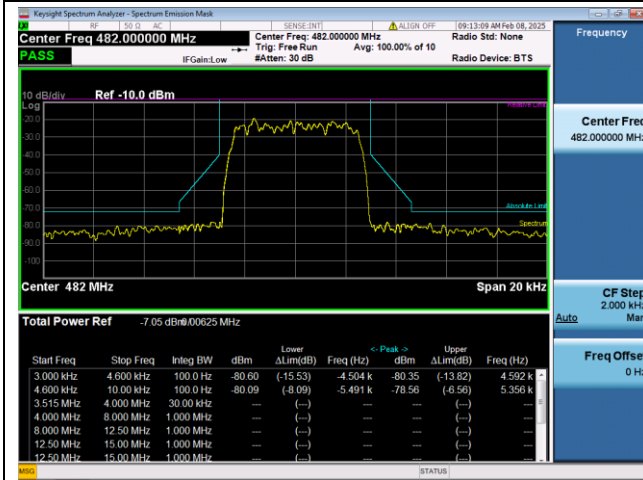
Pre-AGC_Input



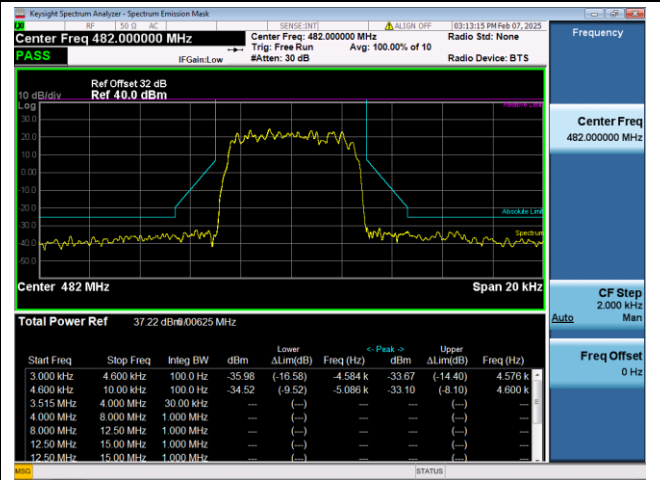
Pre-AGC_Output



3dB Above Pre-AGC_Input

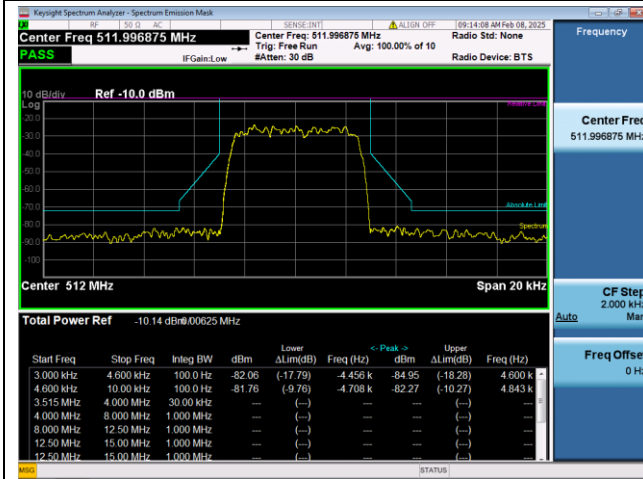


3dB Above Pre-AGC_Output

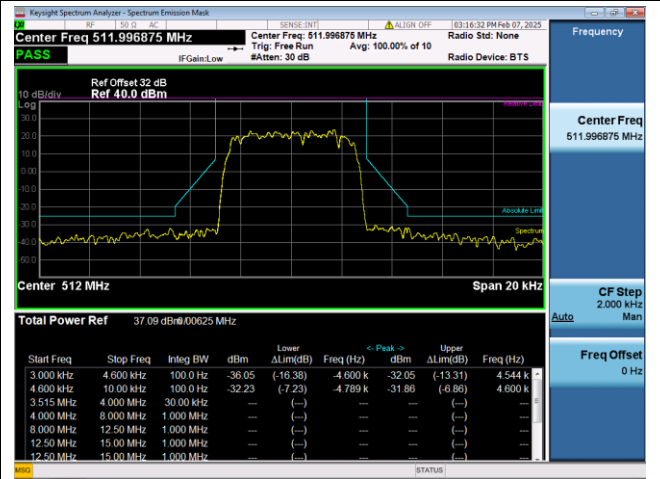


6.25kHz CQPSK _ High Channel

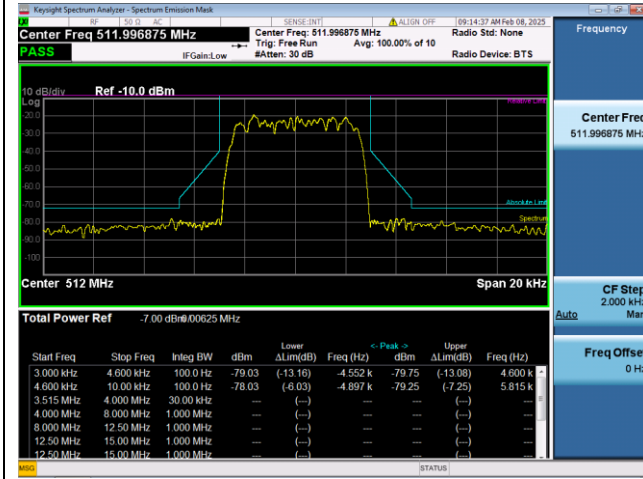
Pre-AGC_Input



Pre-AGC_Output



3dB Above Pre-AGC_Input

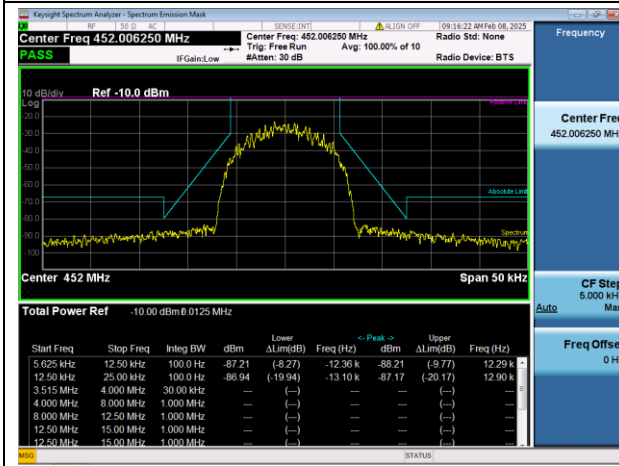


3dB Above Pre-AGC_Output

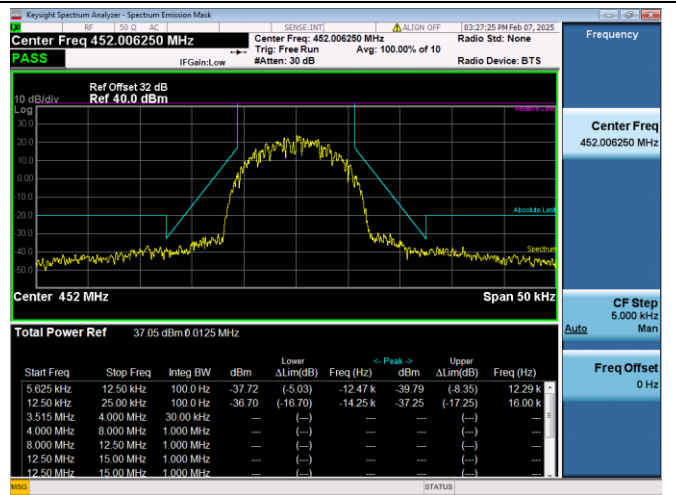


12.5kHz FM _ Low Channel

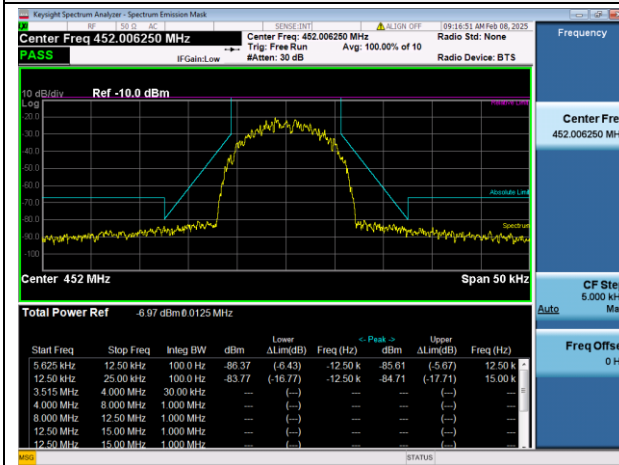
Pre-AGC_Input



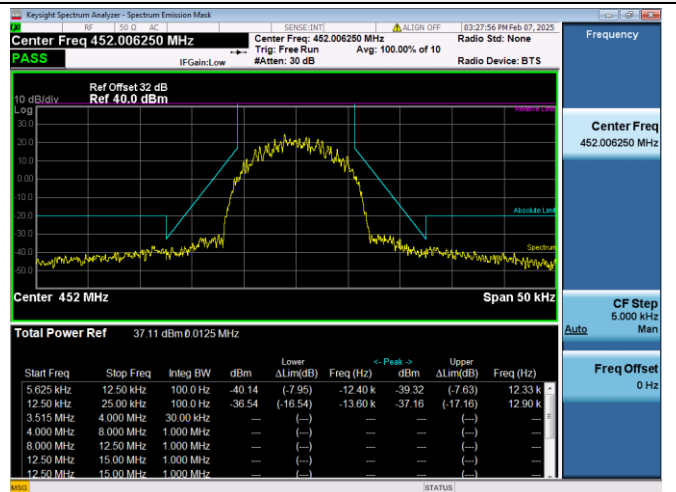
Pre-AGC_Output



3dB Above Pre-AGC_Input

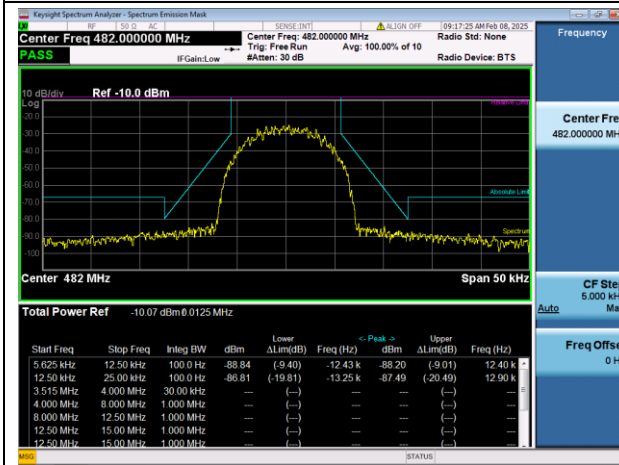


3dB Above Pre-AGC_Output

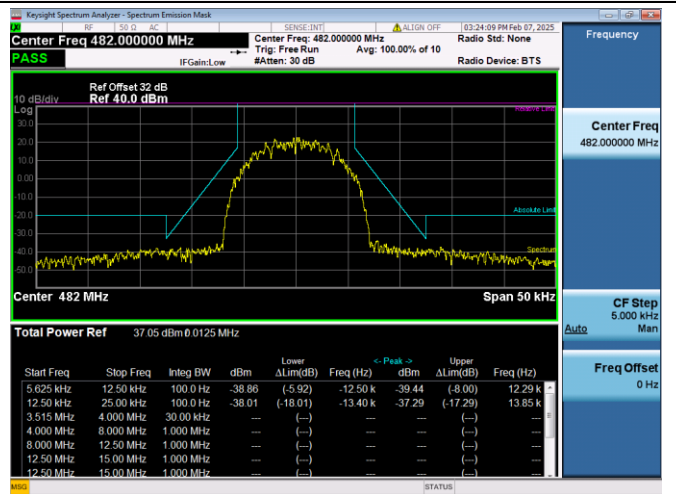


12.5kHz FM _ Middle Channel

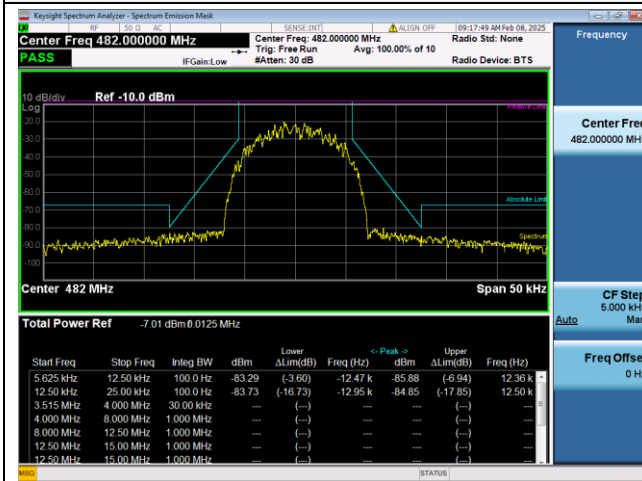
Pre-AGC_Input



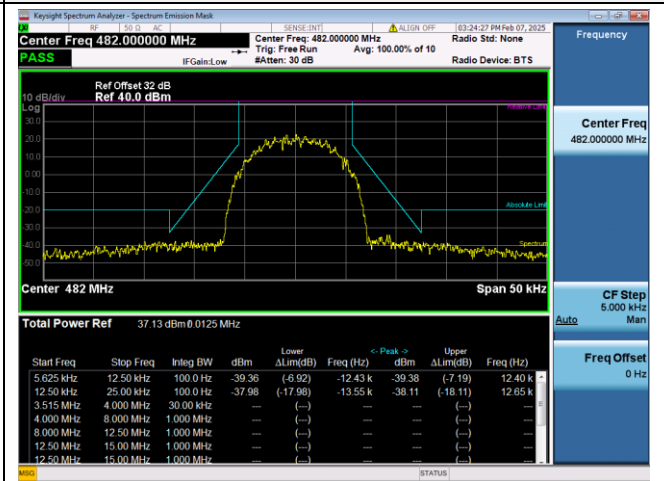
Pre-AGC_Output



3dB Above Pre-AGC_ Input

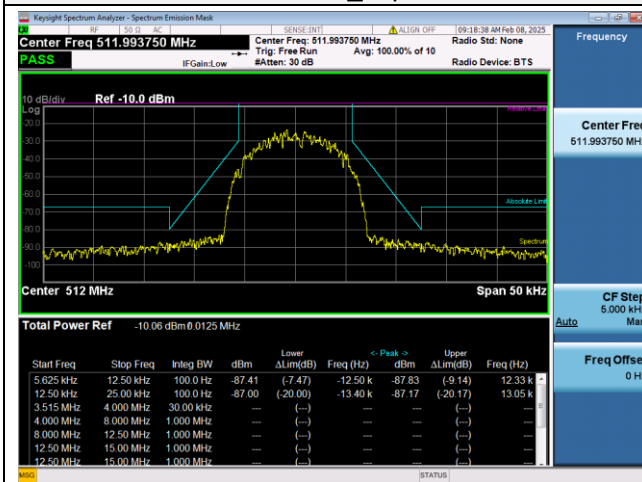


3dB Above Pre-AGC_ Output

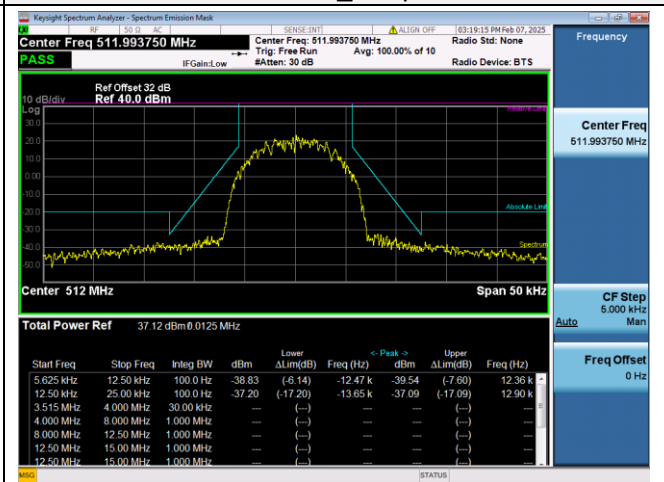


12.5kHz FM_ High Channel

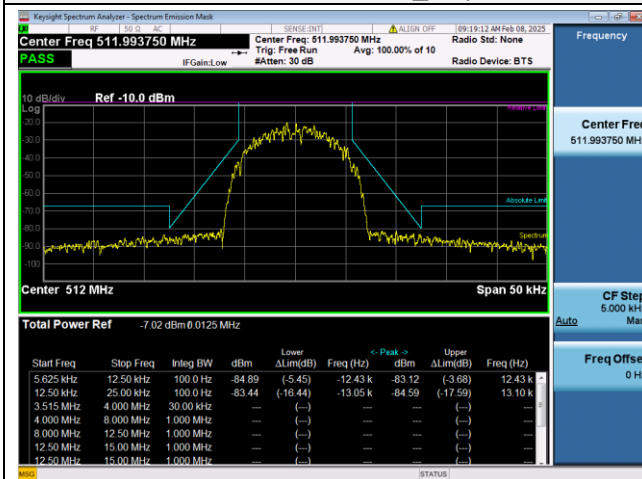
Pre-AGC_ Input



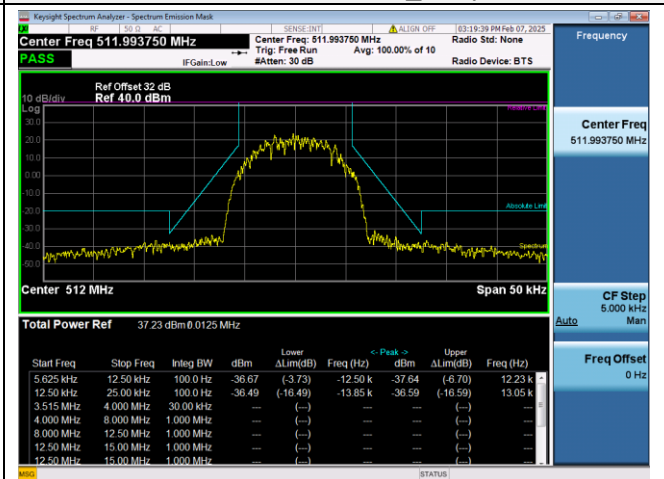
Pre-AGC_ Output



3dB Above Pre-AGC_ Input

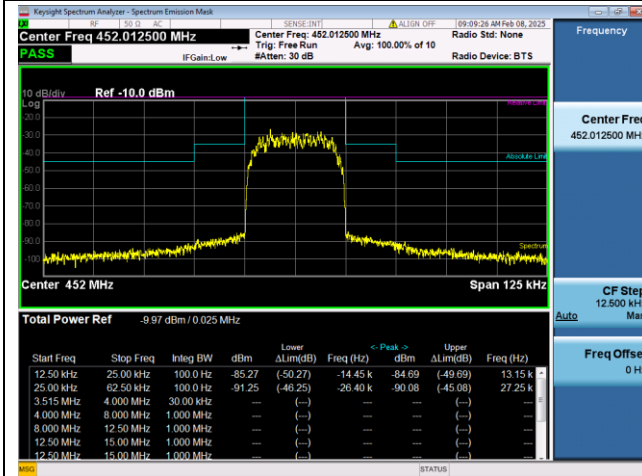


3dB Above Pre-AGC_ Output

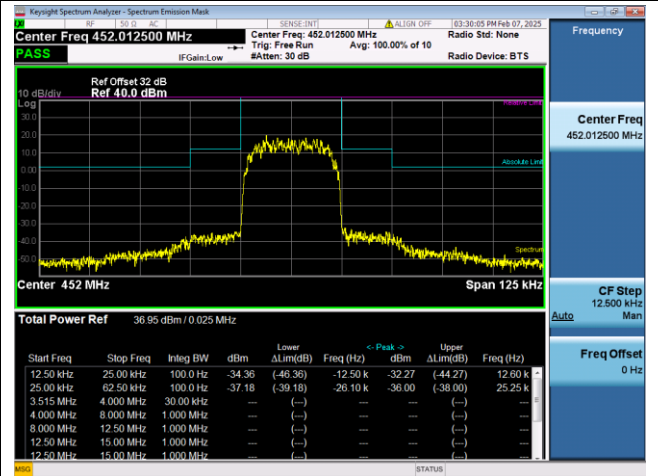


25kHz TETRA_ Low Channel

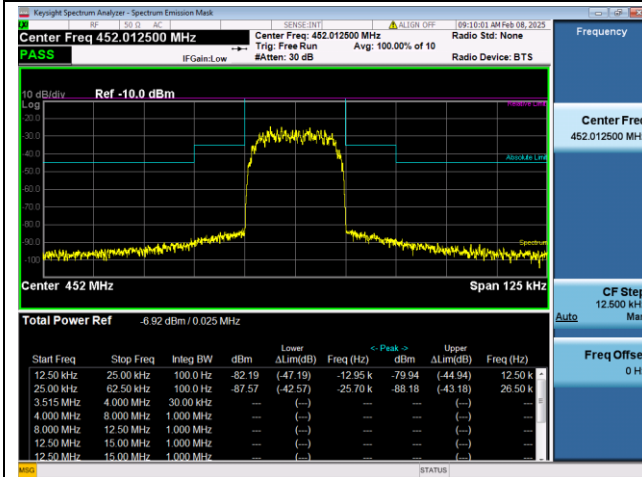
Pre-AGC_ Input



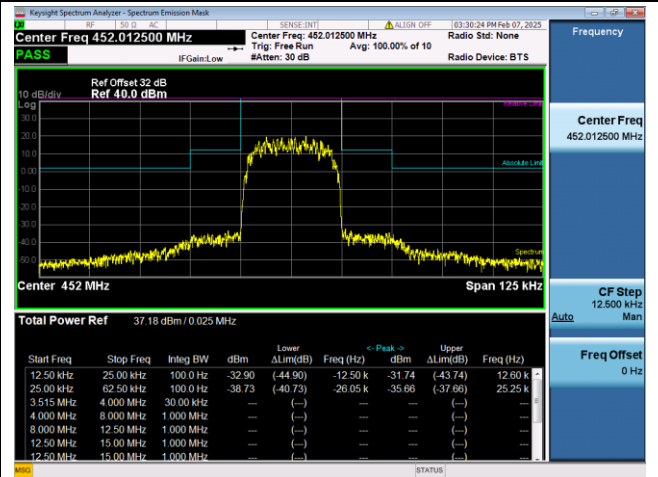
Pre-AGC_ Output



3dB Above Pre-AGC_ Input

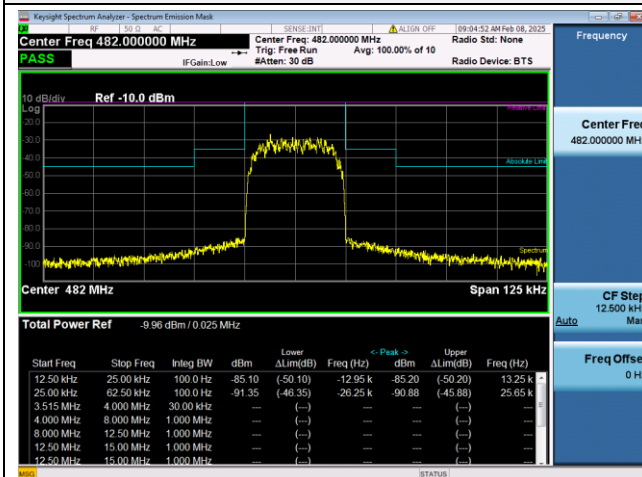


3dB Above Pre-AGC_ Output

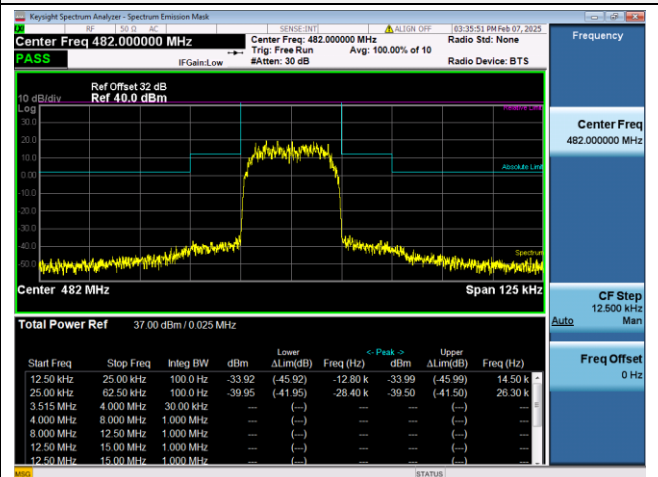


25kHz TETRA_ Middle Channel

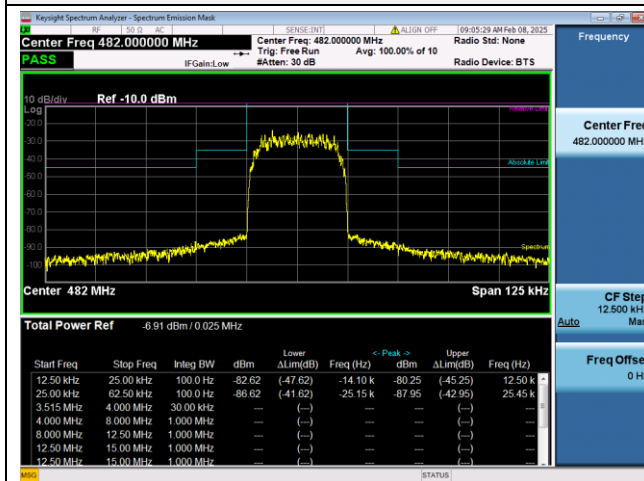
Pre-AGC_ Input



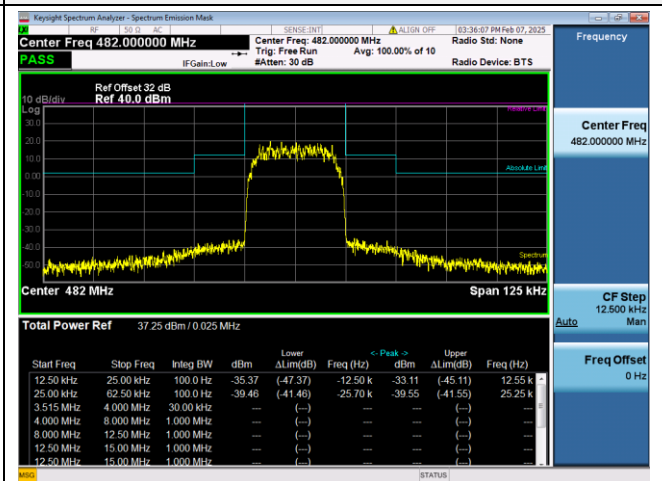
Pre-AGC_ Output



3dB Above Pre-AGC_ Input

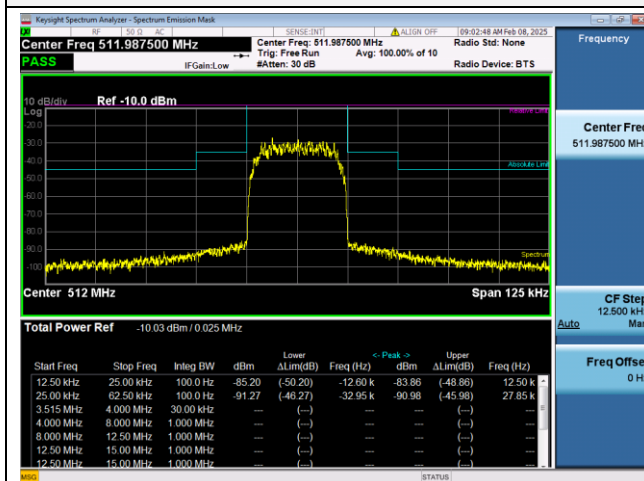


3dB Above Pre-AGC_ Output

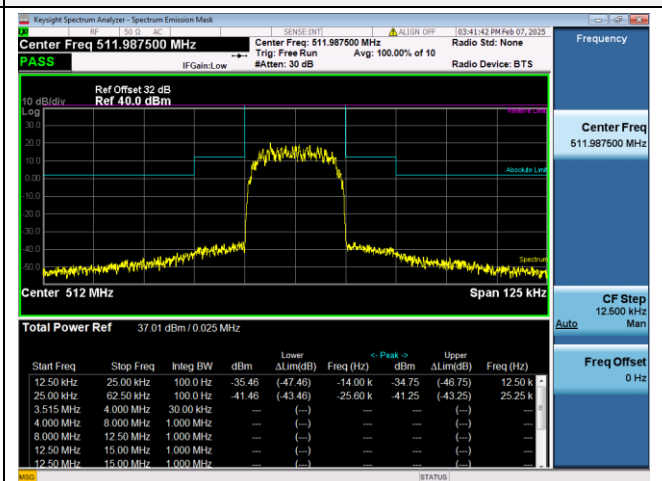


25kHz TETRA_ High Channel

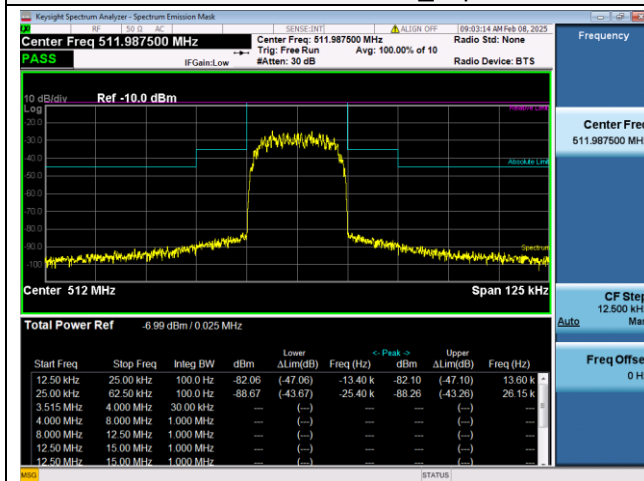
Pre-AGC_Input



Pre-AGC_ Output



3dB Above Pre-AGC_ Input



3dB Above Pre-AGC_ Output

