

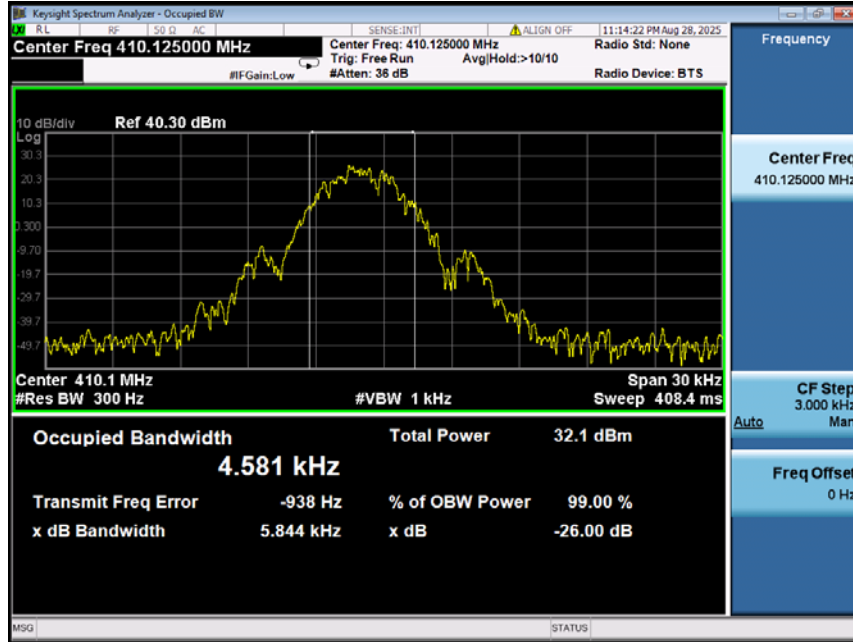
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250600252603

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12.5KHz, GMSK mode, Assigned Frequency: 410.125MHz, Rated power: 1000mW



12.5KHz, GMSK mode, Assigned Frequency: 450.125MHz, Rated power: 1000mW



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12.5KHz, GMSK mode, Assigned Frequency: 456.125MHz, Rated power: 1000mW



12.5KHz, GMSK mode, Assigned Frequency: 469.125MHz, Rated power: 1000mW



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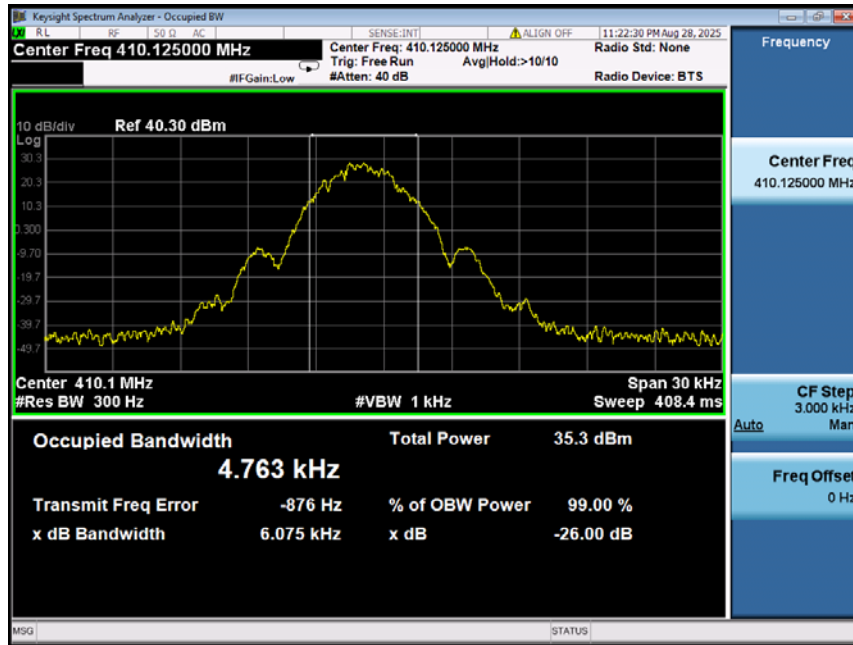
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12.5KHz, GMSK mode, Assigned Frequency: 410.125MHz, Rated power: 2000mW



12.5KHz, GMSK mode, Assigned Frequency: 450.125MHz, Rated power: 2000mW



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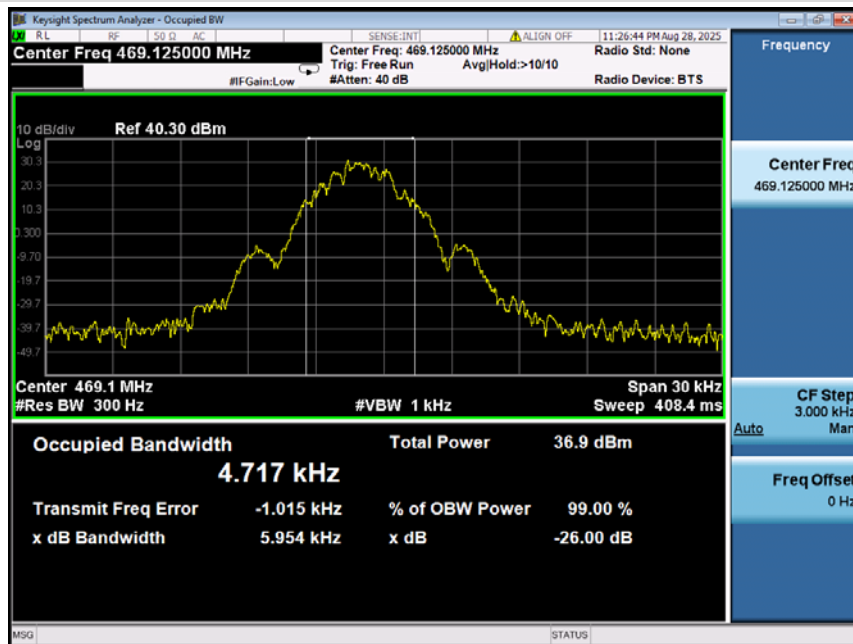
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12.5KHz, GMSK mode, Assigned Frequency: 456.125MHz, Rated power: 2000mW



12.5KHz, GMSK mode, Assigned Frequency: 469.125MHz, Rated power: 2000mW



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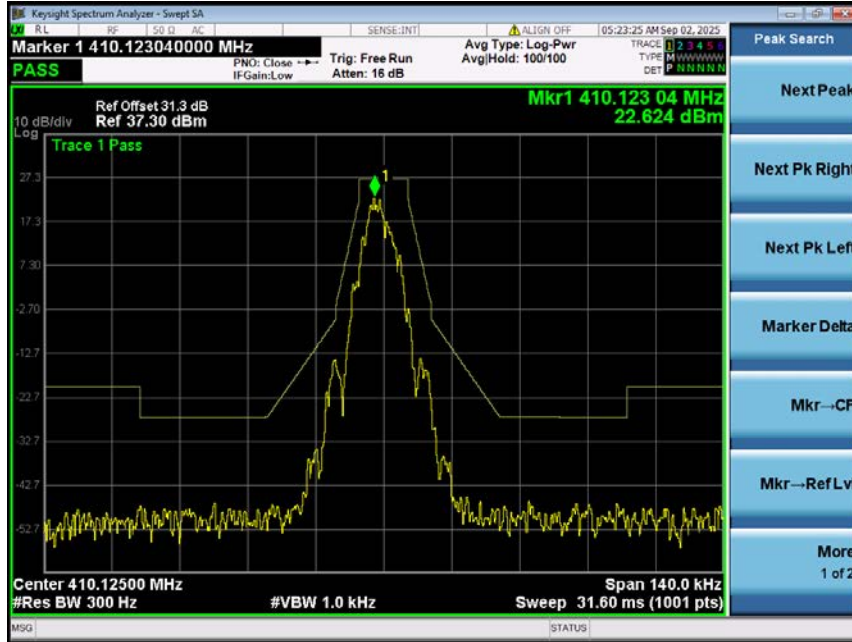
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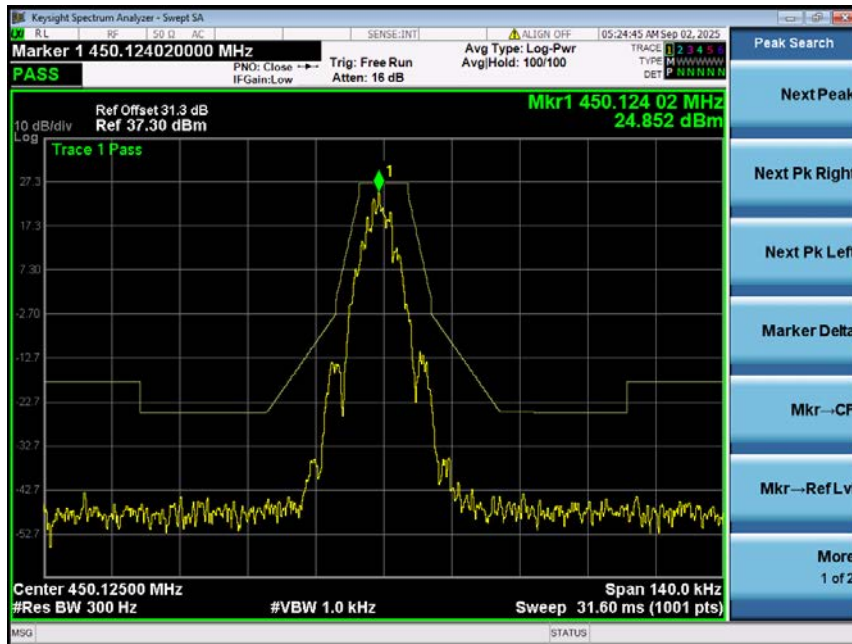
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4.Emission Mask

25KHz, GMSK mode, Assigned Frequency: 410.125MHz, Rated power: 500mW



25KHz, GMSK mode, Assigned Frequency: 450.125MHz, Rated power: 500mW



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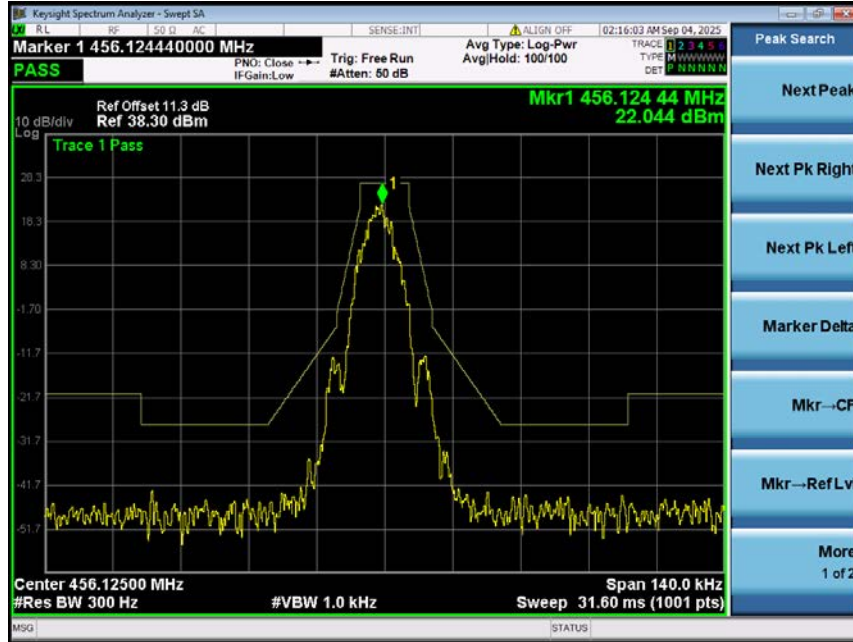
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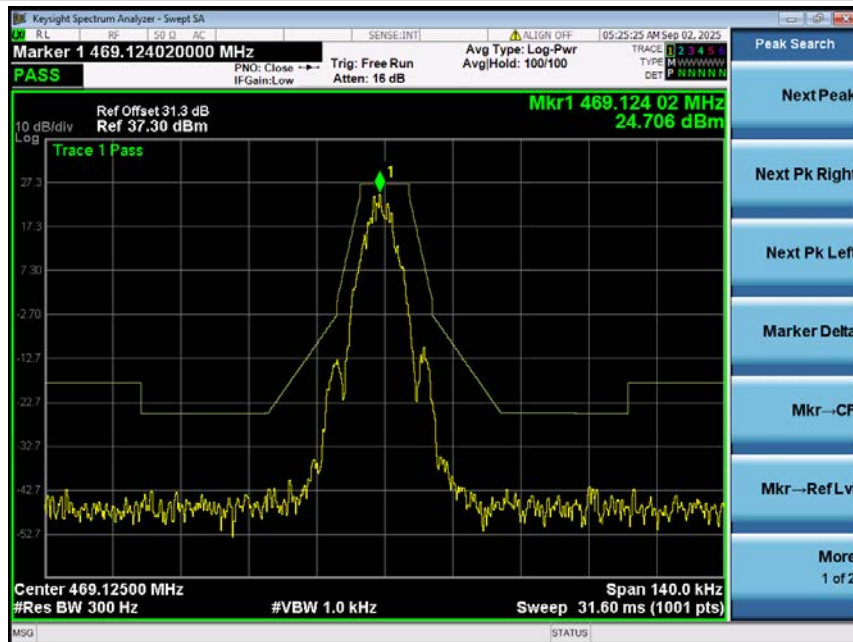
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25KHz, GMSK mode, Assigned Frequency: 456.125MHz, Rated power: 500mW



25KHz, GMSK mode, Assigned Frequency: 469.125MHz, Rated power: 500mW



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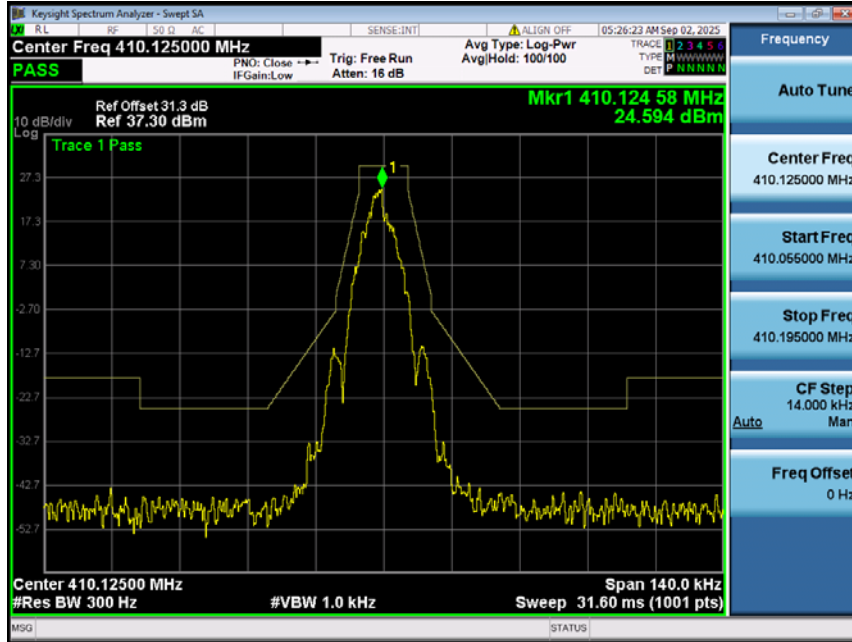
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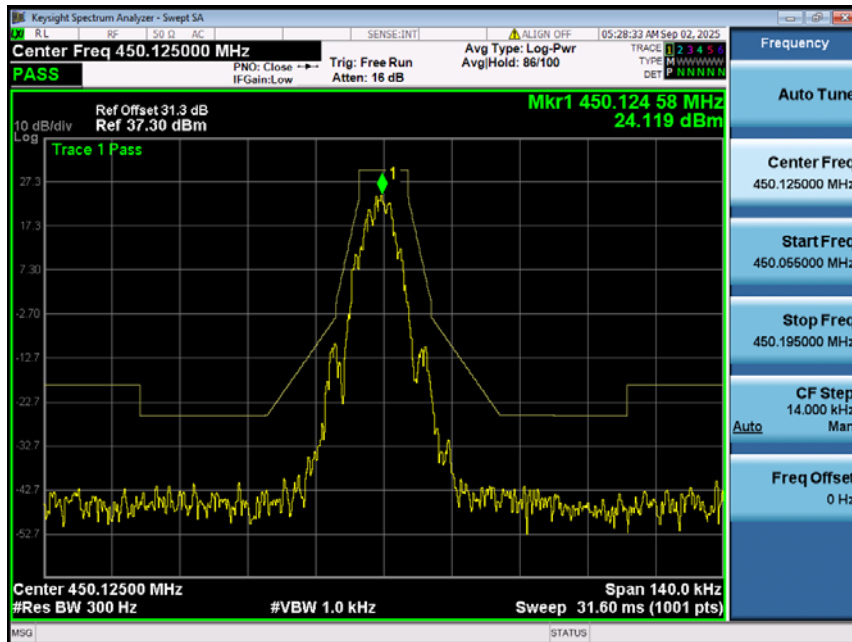
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25KHz, GMSK mode, Assigned Frequency: 410.125MHz, Rated power: 1000mW



25KHz, GMSK mode, Assigned Frequency: 450.125MHz, Rated power: 1000mW



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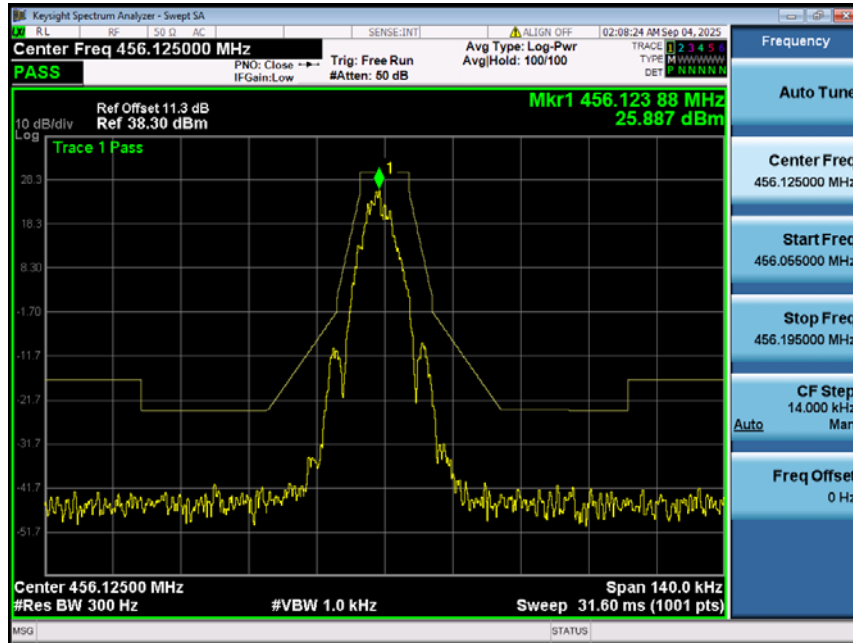
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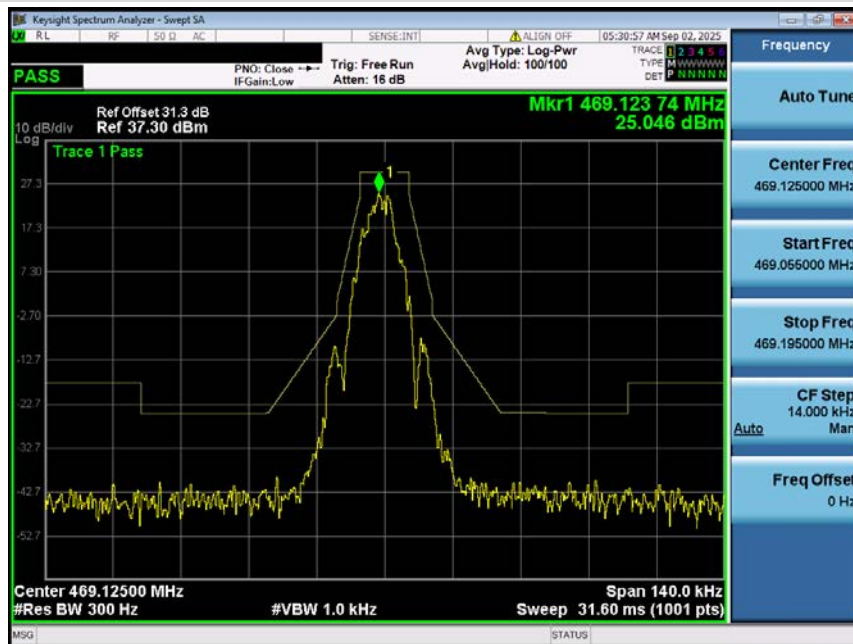
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25KHz, GMSK mode, Assigned Frequency: 456.125MHz, Rated power: 1000mW



25KHz, GMSK mode, Assigned Frequency: 469.125MHz, Rated power: 1000mW



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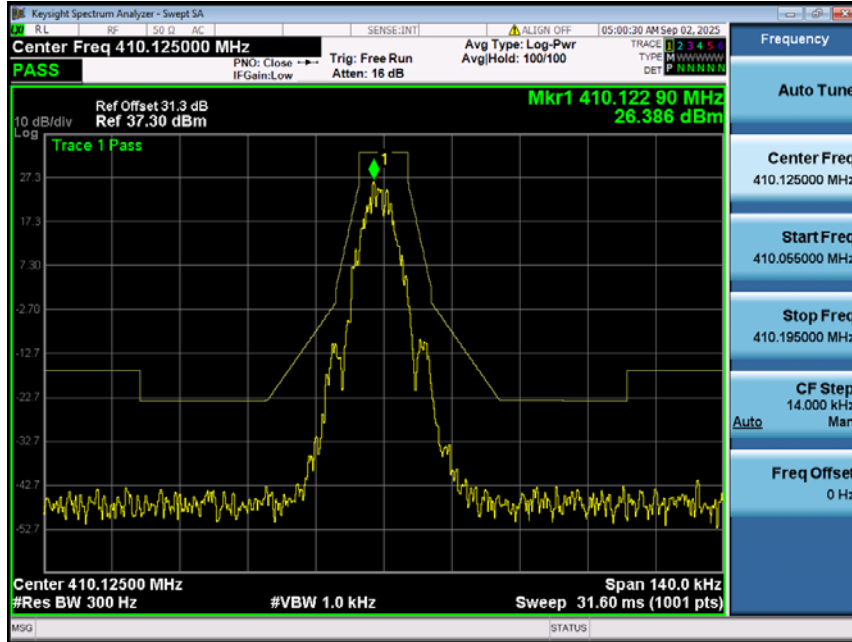
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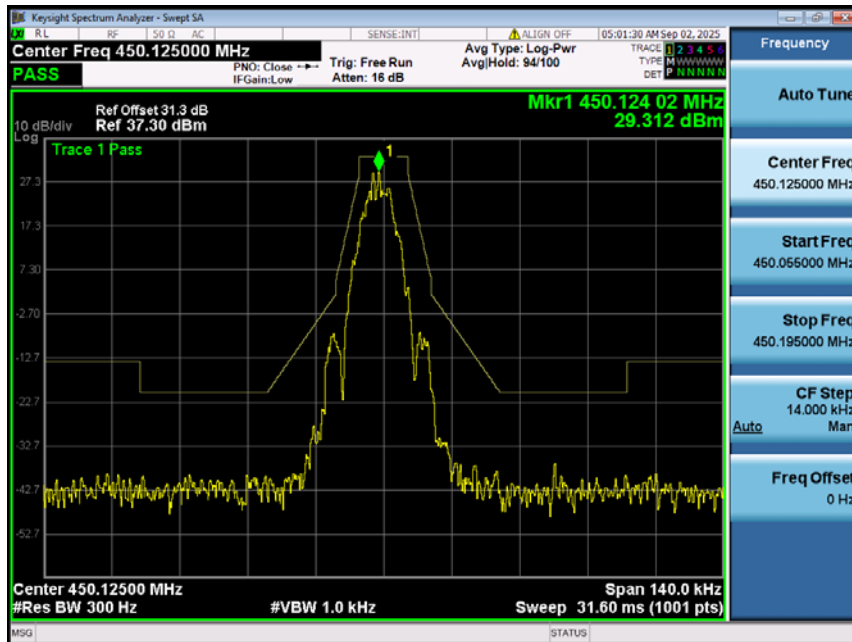
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25KHz, GMSK mode, Assigned Frequency: 410.125MHz, Rated power: 2000mW



25KHz, GMSK mode, Assigned Frequency: 450.125MHz, Rated power: 2000mW



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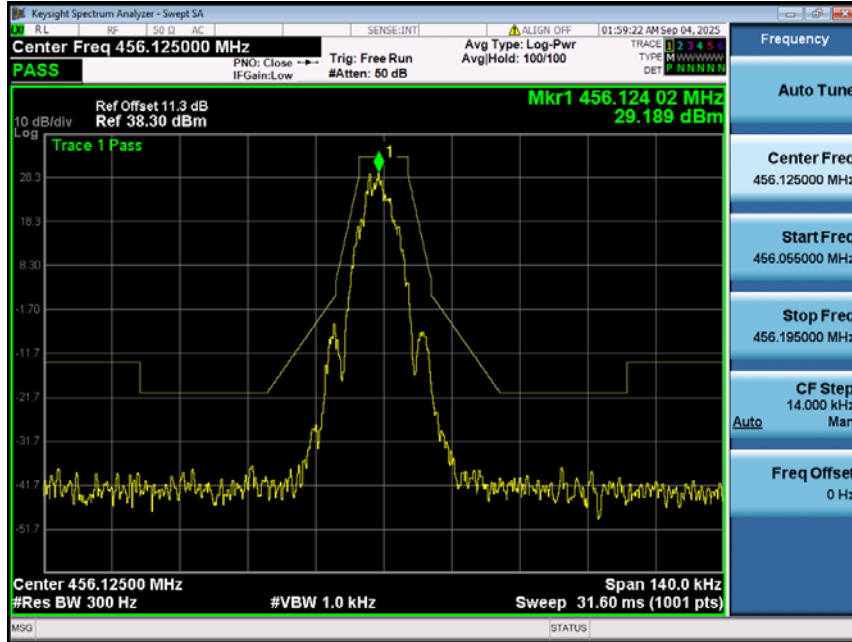
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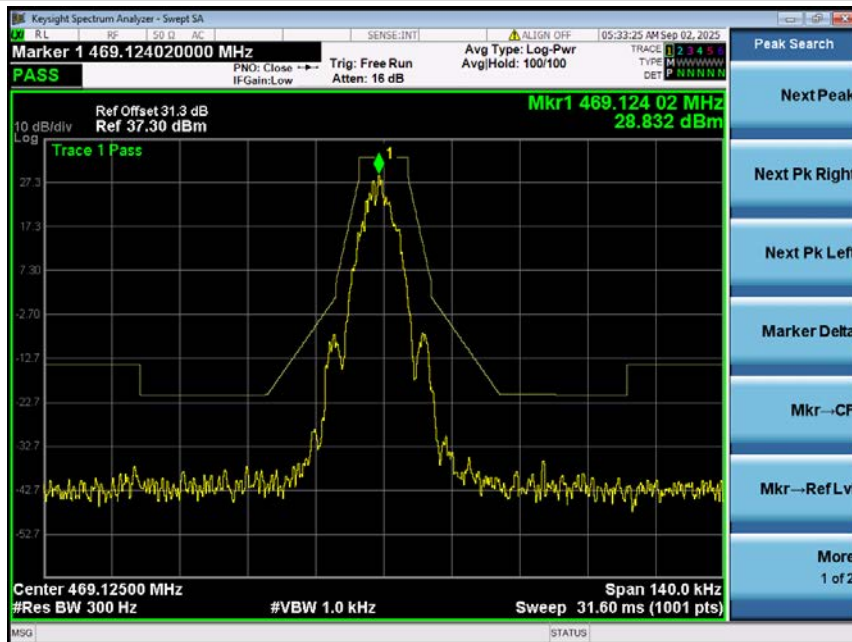
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25KHz, GMSK mode, Assigned Frequency: 456.125MHz, Rated power: 2000mW



25KHz, GMSK mode, Assigned Frequency: 469.125MHz, Rated power: 2000mW



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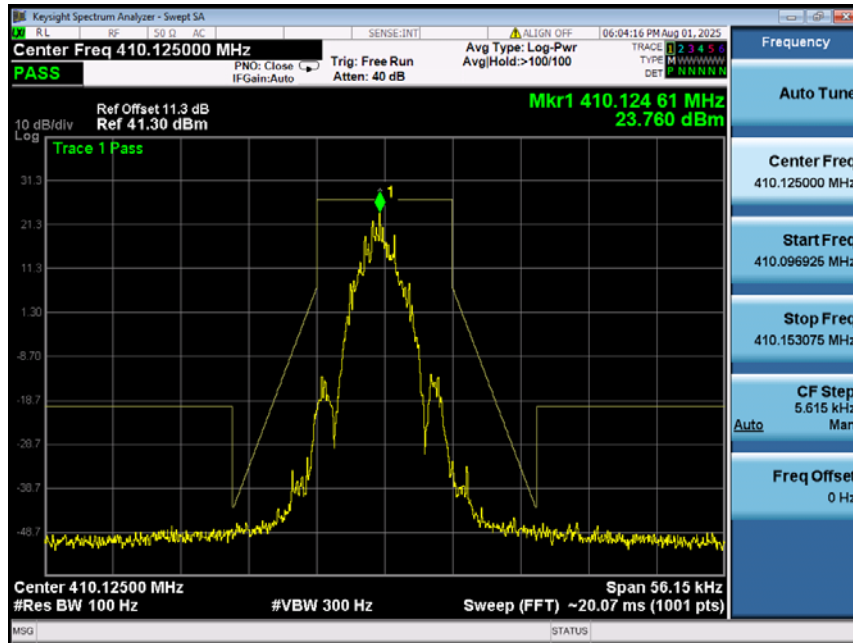
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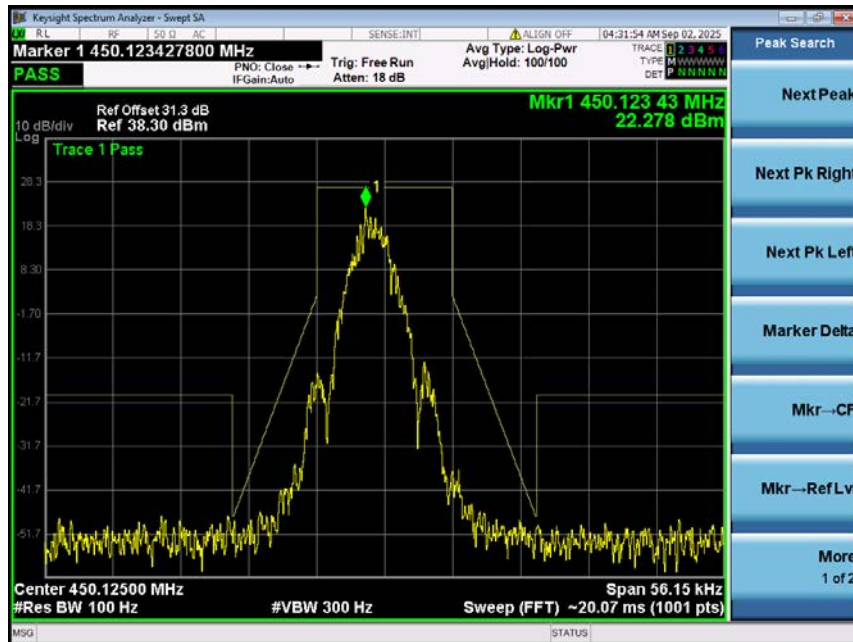
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12.5KHz, GMSK mode, Assigned Frequency: 410.125MHz, Rated power: 500mW



12.5KHz, GMSK mode, Assigned Frequency: 450.125MHz, Rated power: 500mW



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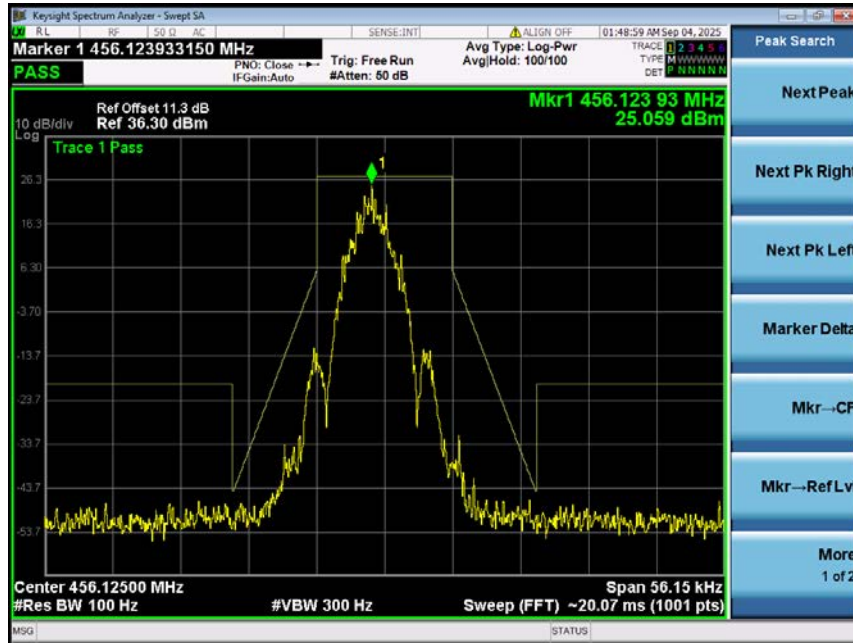
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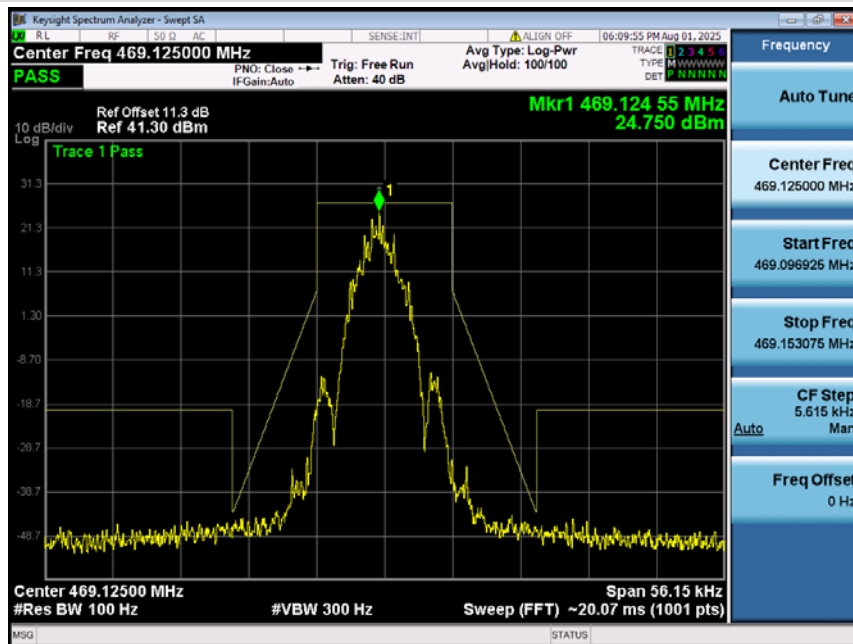
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12.5KHz, GMSK mode, Assigned Frequency: 456.125MHz, Rated power: 500mW



12.5KHz, GMSK mode, Assigned Frequency: 469.125MHz, Rated power: 500mW



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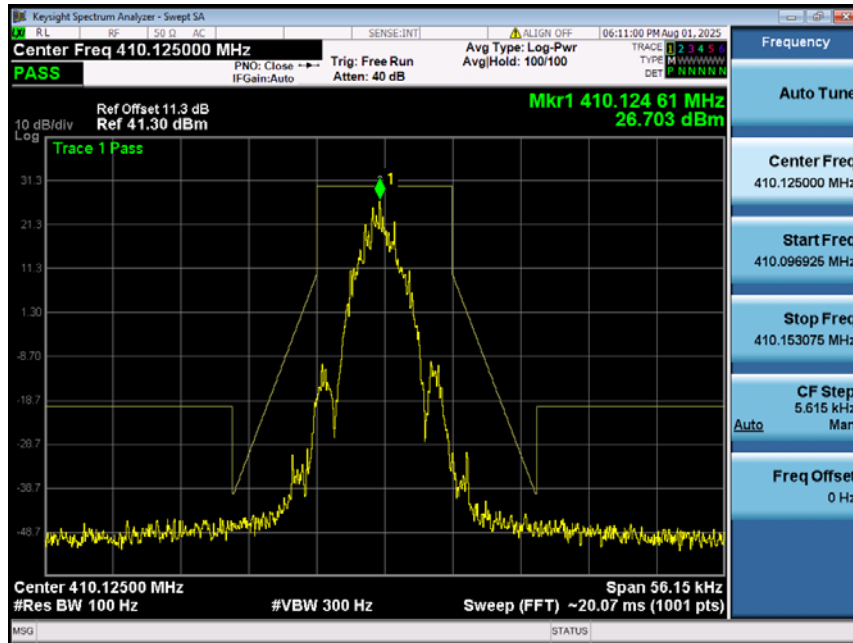
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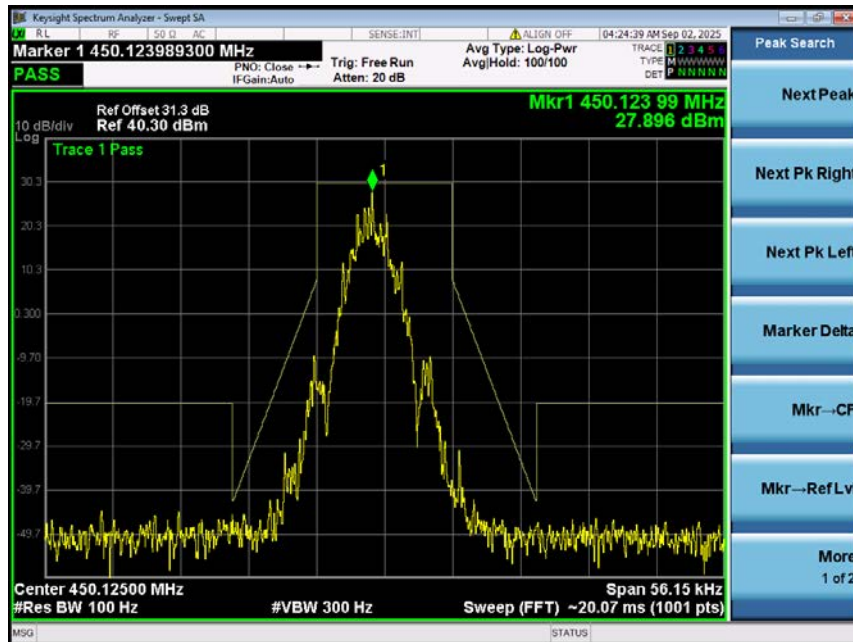
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12.5KHz, GMSK mode, Assigned Frequency: 410.125MHz, Rated power: 1000mW



12.5KHz, GMSK mode, Assigned Frequency: 450.125MHz, Rated power: 1000mW



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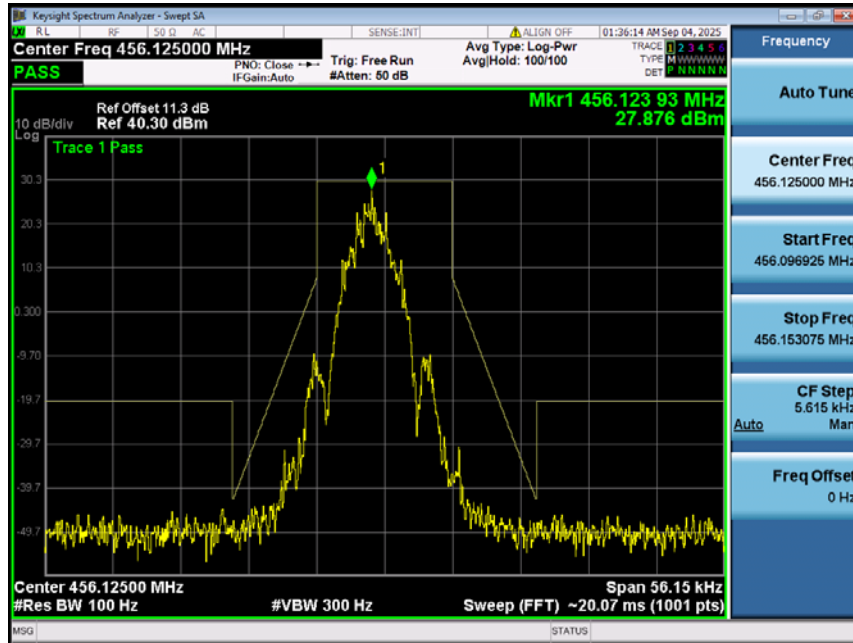
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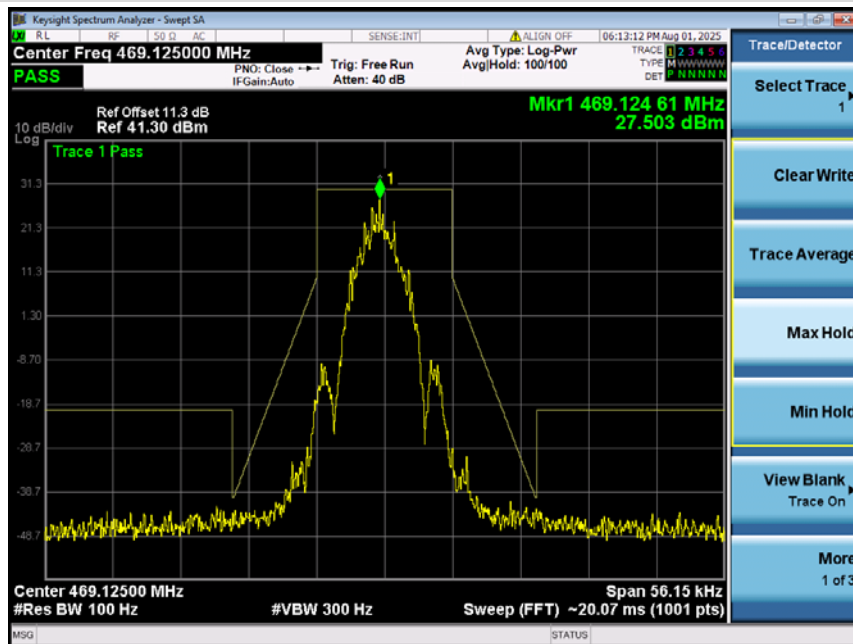
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12.5KHz, GMSK mode, Assigned Frequency: 456.125MHz, Rated power: 1000mW



12.5KHz, GMSK mode, Assigned Frequency: 469.125MHz, Rated power: 1000mW



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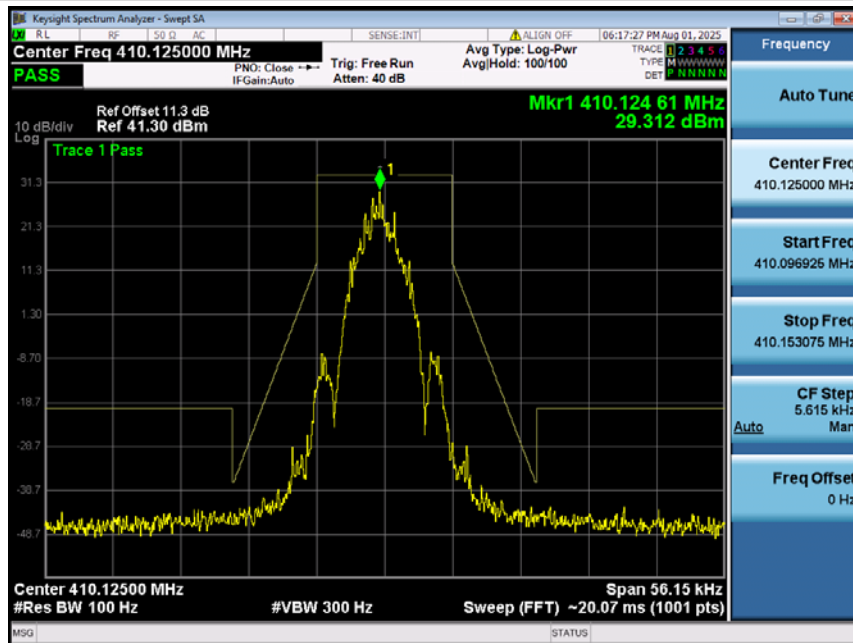
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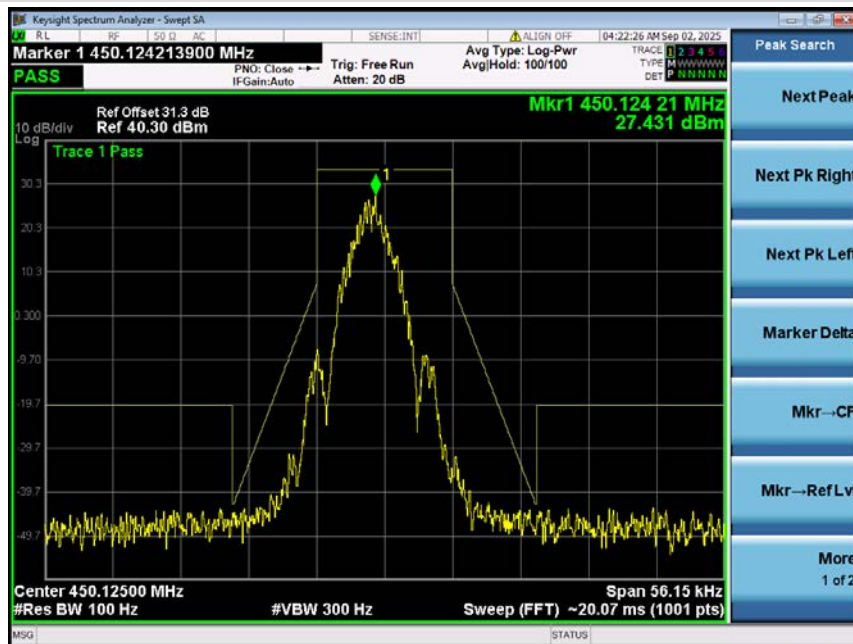
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12.5KHz, GMSK mode, Assigned Frequency: 410.125MHz, Rated power: 2000mW



12.5KHz, GMSK mode, Assigned Frequency: 450.125MHz, Rated power: 2000mW



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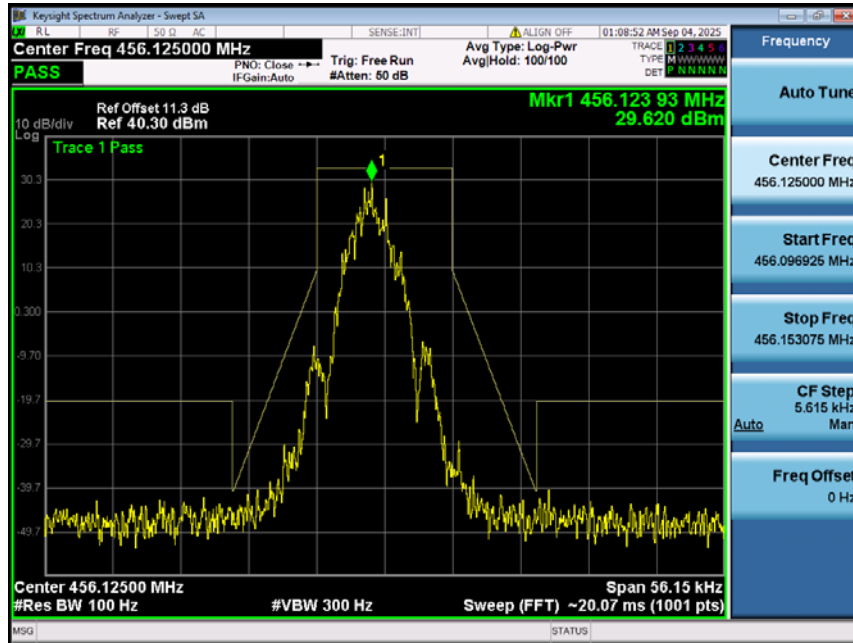
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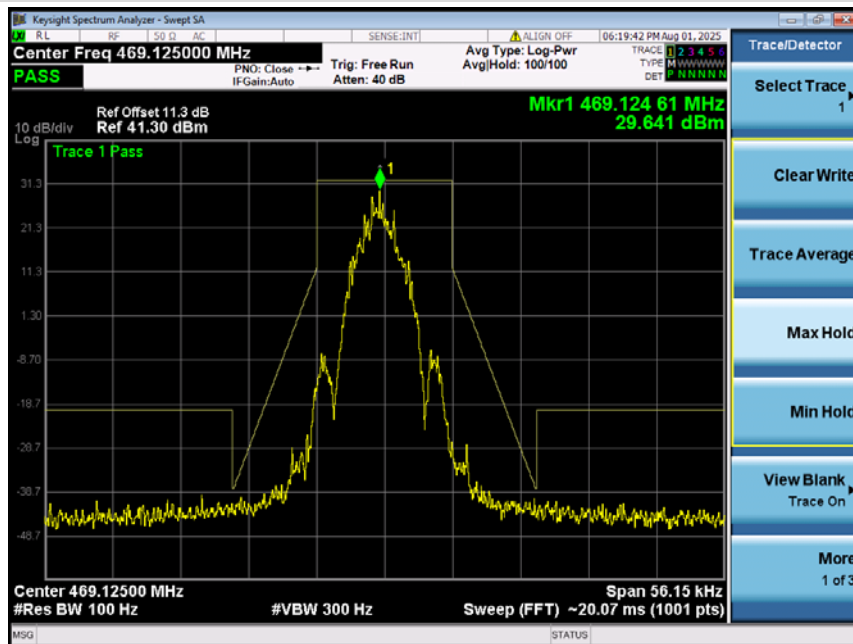
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12.5KHz, GMSK mode, Assigned Frequency: 456.125MHz, Rated power: 2000mW



12.5KHz, GMSK mode, Assigned Frequency: 469.125MHz, Rated power: 2000mW



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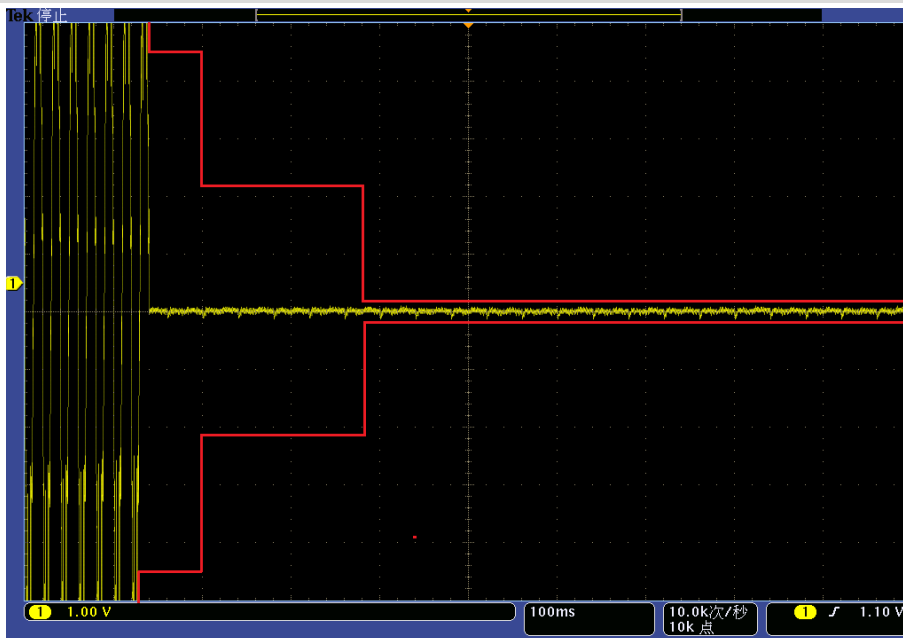
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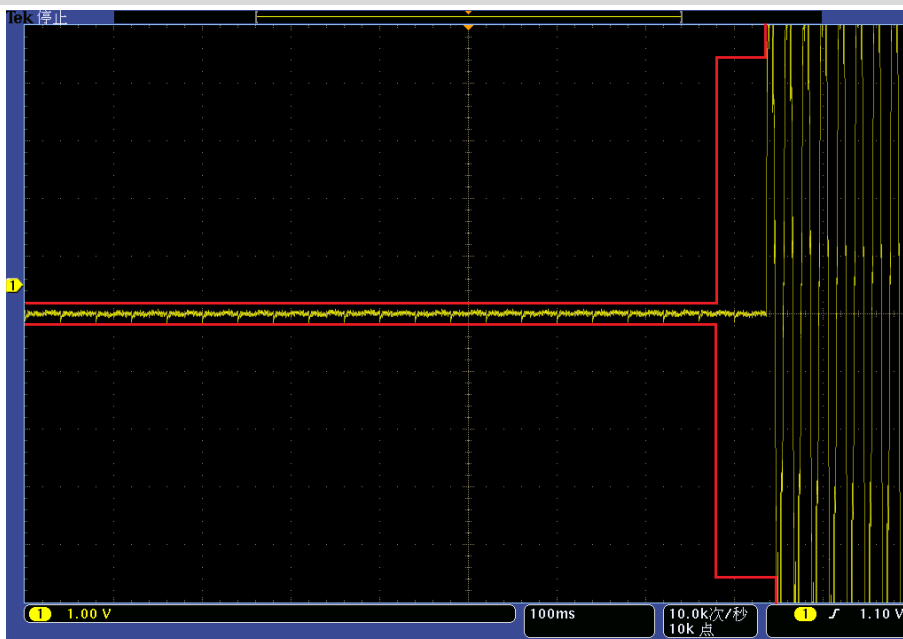
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5. Transient Frequency Behavior

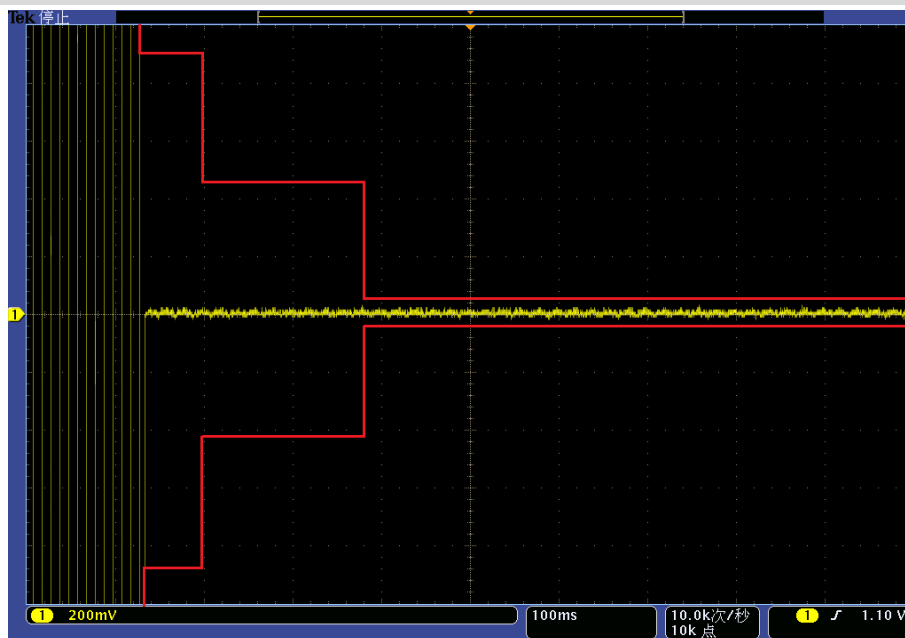
12.5KHz/25KHz, GMSK modulation, Assigned Frequency:410.125MHz, Turn On



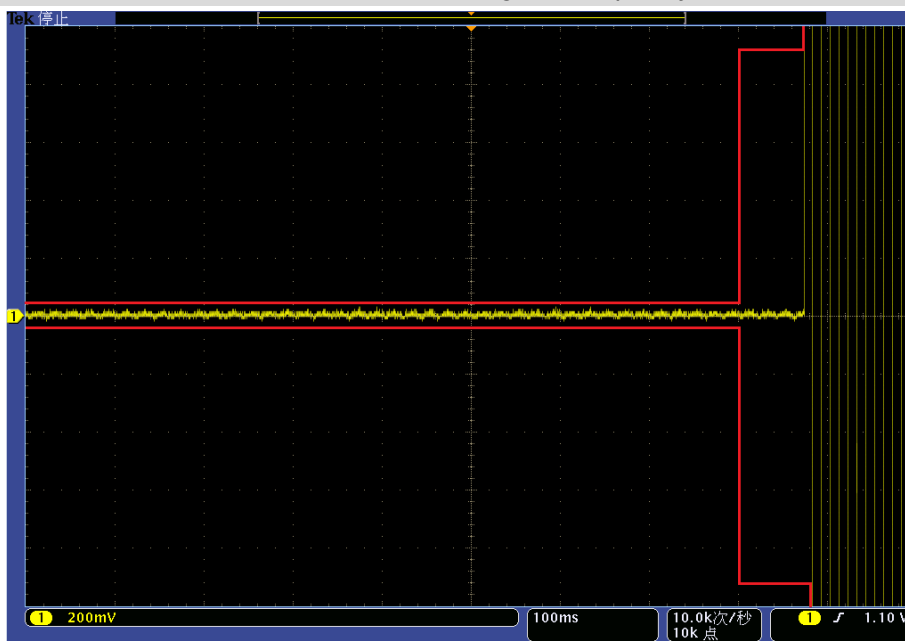
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12.5KHz/25KHz, GMSK modulation, Assigned Frequency:469.125MHz, Turn On



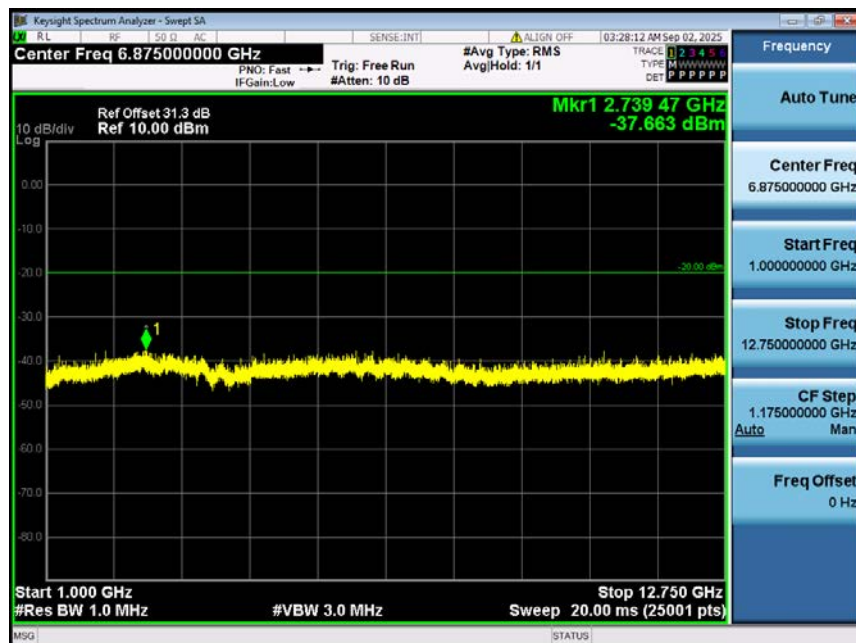
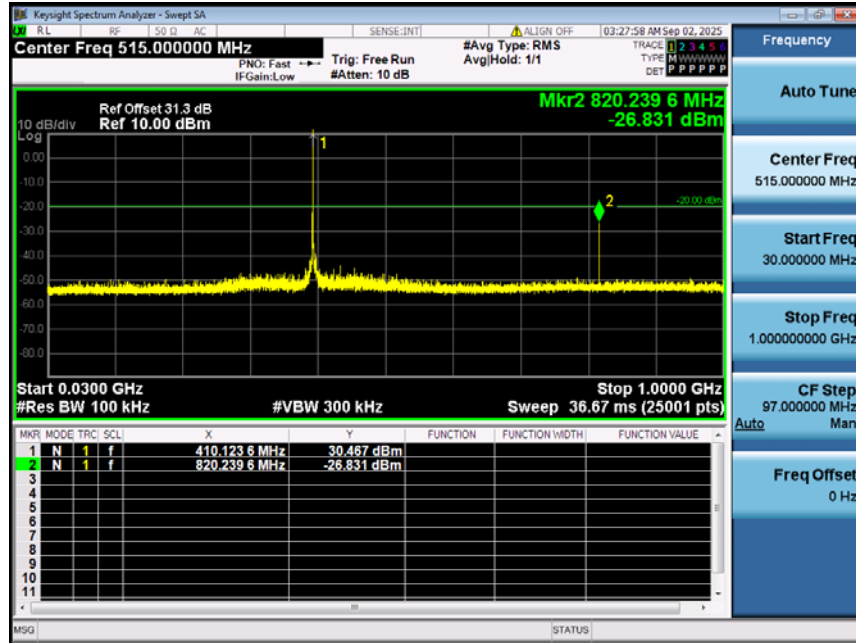
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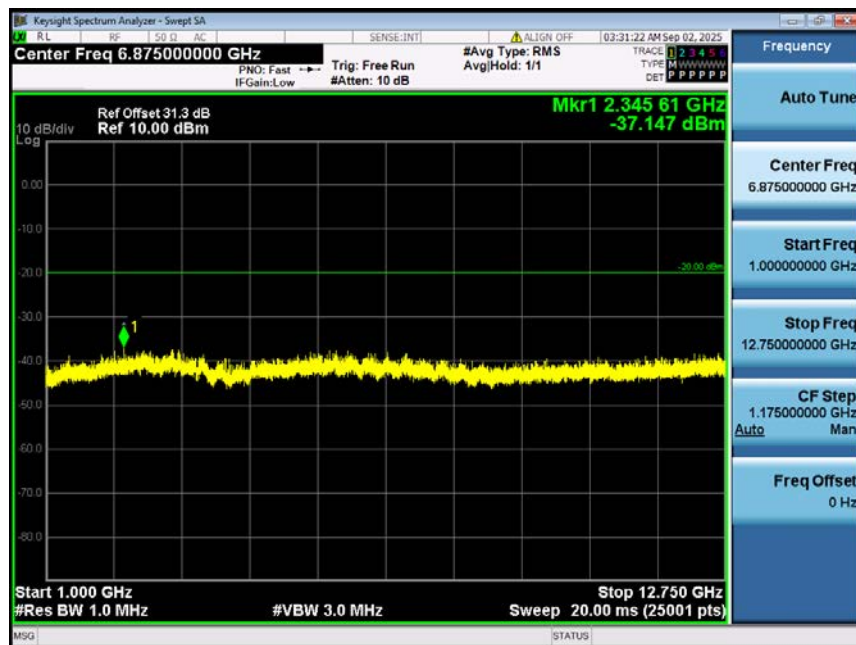
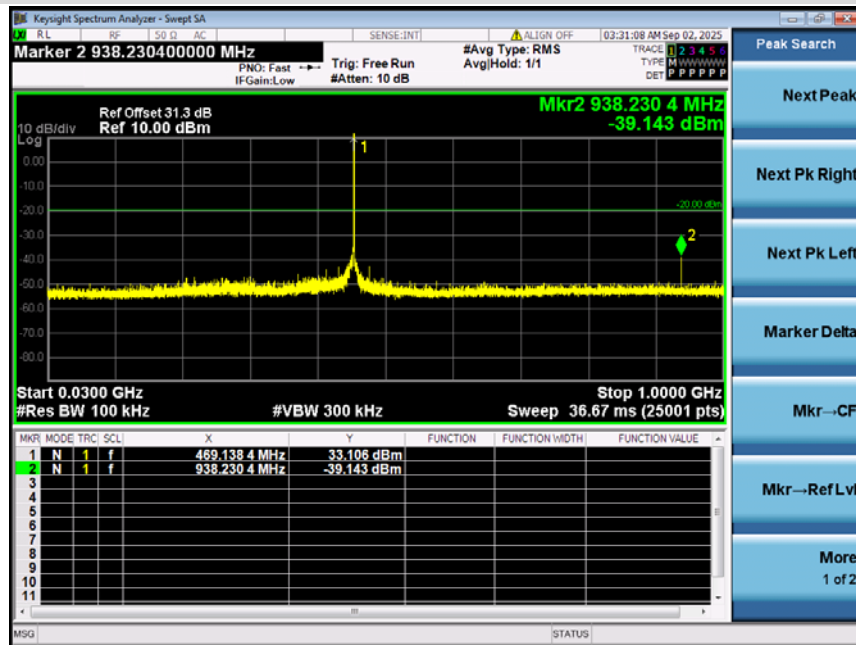
6. Conducted Spurious Emission

--Remark: Add the HPF(>1000MHz) for 1G~12.75G Spurious Emission testing

12.5KHz, GMSK modulation, Assigned Frequency: 410.125MHz, Rated power: 2000mW



12.5KHz, GMSK modulation, Assigned Frequency:469.125MHz, Rated power: 2000mW



Note: Only record the worst test result.



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7. Radiated Spurious Emission

12.5KHz, GMSK modulation, Assigned Frequency:410.125MHz, Rated power: 2000mW								
Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1230.375	-45.04	-20	-25.04	-46.92	2.29	4.17	Horizontal	Pass
1640.5	-44.14	-20	-24.14	-47.05	2.62	5.53	Horizontal	Pass
4096.875	-43.6	-20	-23.6	-48.61	3.94	8.95	Horizontal	Pass
1640.5	-48.77	-20	-28.77	-51.68	2.62	5.53	Vertical	Pass
2460.75	-47.36	-20	-27.36	-50.04	3.05	5.73	Vertical	Pass
4096.875	-42.87	-20	-22.87	-47.88	3.94	8.95	Vertical	Pass

12.5KHz, GMSK modulation, Assigned Frequency:450.125MHz, Rated power: 2000mW								
Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1317.375	-34.89	-20	-14.89	-37.22	2.39	4.72	Horizontal	Pass
1756.5	-49.32	-20	-29.32	-51.9	2.65	5.23	Horizontal	Pass
2195.625	-52.19	-20	-32.19	-54.42	2.86	5.09	Horizontal	Pass
1317.375	-40.16	-20	-20.16	-42.49	2.39	4.72	Vertical	Pass
1756.5	-52.77	-20	-32.77	-55.35	2.65	5.23	Vertical	Pass
2634.75	-51.46	-20	-31.46	-54.48	3.1	6.12	Vertical	Pass

12.5KHz, GMSK modulation, Assigned Frequency:469.125MHz, Rated power: 2000mW								
Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1407.375	-37.7	-20	-17.7	-40.51	2.48	5.29	Horizontal	Pass
1876.5	-46.87	-20	-26.87	-49.11	2.69	4.93	Horizontal	Pass
2345.625	-43.07	-20	-23.07	-45.55	2.97	5.45	Horizontal	Pass
1407.375	-32.83	-20	-12.83	-35.64	2.48	5.29	Vertical	Pass
2345.625	-41.26	-20	-21.26	-43.74	2.97	5.45	Vertical	Pass
3753.0	-47.23	-20	-27.23	-52.12	3.62	8.51	Vertical	Pass

Note: Margin = Emission level – Limit.

All modes have been tested and we found 12.5KHz bandwidth, GMSK modulation has the worst test result. Only record the worst test result.

- End of the Report -



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