

Appendix -

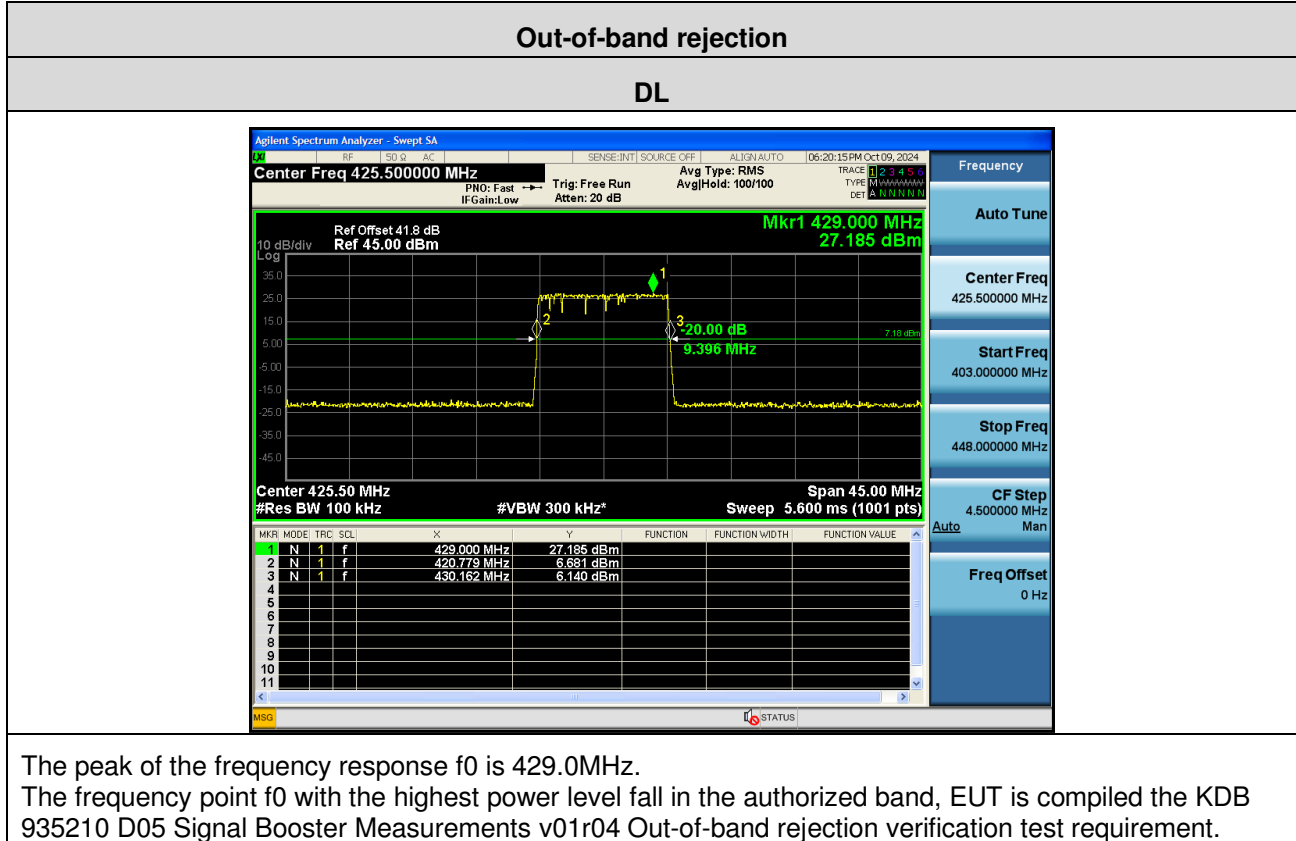
Test Data and Result for report

GZCR240900111901 (C)

(For UHF-2: 421-430MHz)

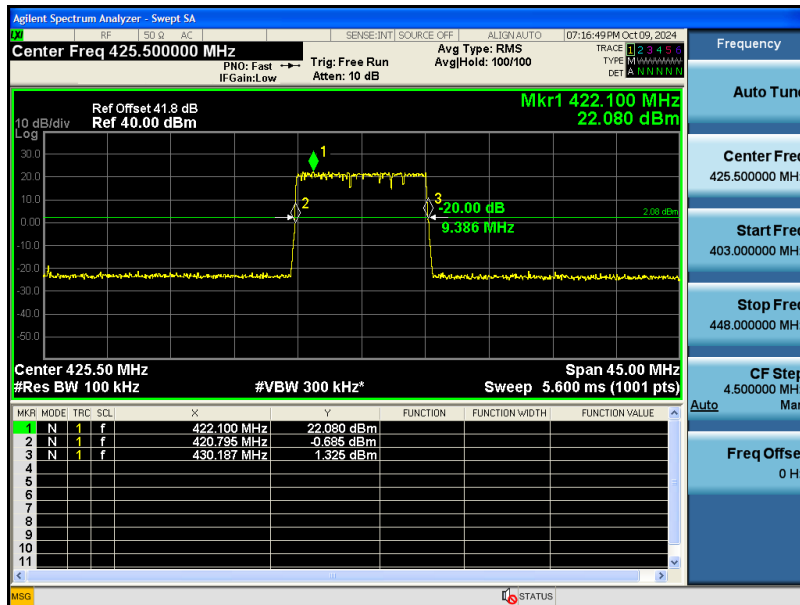


1 Out-of-band rejection



Out-of-band rejection

UL



The peak of the frequency response f0 is 422.1MHz.

The frequency point f0 with the highest power level fall in the authorized band, EUT is compiled the KDB 935210 D05 Signal Booster Measurements v01r04 Out-of-band rejection verification test requirement.



2 Input-versus-output signal comparison

Occupied Bandwidth				
Test Path	Test Signal	Test Channel	Signal Level	Verdict
DL	FM	LCH	Pre-AGC	PASS
			3dB above AGC	PASS
		MCH	Pre-AGC	PASS
			3dB above AGC	PASS
		HCH	Pre-AGC	PASS
			3dB above AGC	PASS
	DMR	LCH	Pre-AGC	PASS
			3dB above AGC	PASS
		MCH	Pre-AGC	PASS
			3dB above AGC	PASS
		HCH	Pre-AGC	PASS
			3dB above AGC	PASS
	C4FM	LCH	Pre-AGC	PASS
			3dB above AGC	PASS
		MCH	Pre-AGC	PASS
			3dB above AGC	PASS
		HCH	Pre-AGC	PASS
			3dB above AGC	PASS
	H-DQPSK	LCH	Pre-AGC	PASS
			3dB above AGC	PASS
		MCH	Pre-AGC	PASS
			3dB above AGC	PASS
		HCH	Pre-AGC	PASS
			3dB above AGC	PASS
Remark: Compare the spectral plot of the input signal to the output signal affirm that there is no change in the occupied bandwidth of the retransmitted signals. The test result complies with the requirement.				

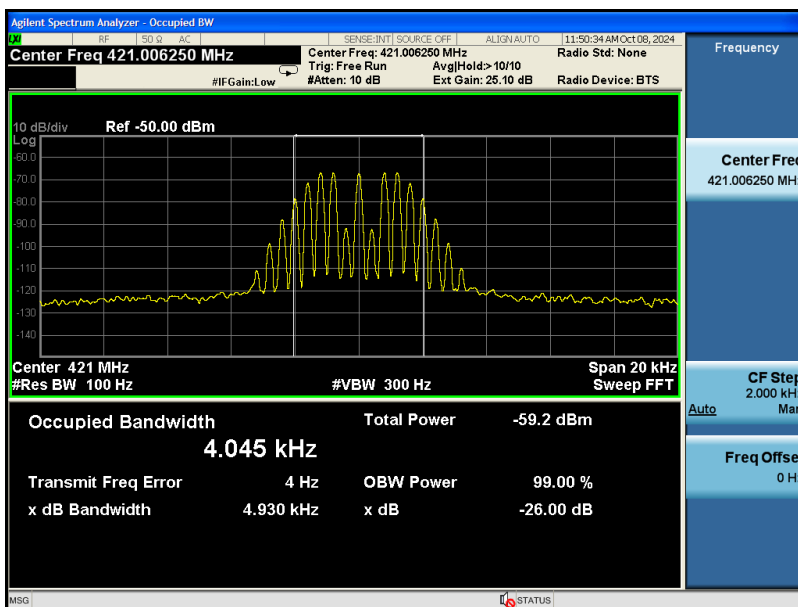
Occupied Bandwidth				
Test Path	Test Signal	Test Channel	Signal Level	Verdict
DL	TETRA	LCH	Pre-AGC	PASS
			3dB above AGC	PASS
		MCH	Pre-AGC	PASS
			3dB above AGC	PASS
		HCH	Pre-AGC	PASS
			3dB above AGC	PASS
UL	FM	LCH	Pre-AGC	PASS
			3dB above AGC	PASS
		MCH	Pre-AGC	PASS
			3dB above AGC	PASS
		HCH	Pre-AGC	PASS
			3dB above AGC	PASS
	DMR	LCH	Pre-AGC	PASS
			3dB above AGC	PASS
		MCH	Pre-AGC	PASS
			3dB above AGC	PASS
		HCH	Pre-AGC	PASS
			3dB above AGC	PASS
	C4FM	LCH	Pre-AGC	PASS
			3dB above AGC	PASS
		MCH	Pre-AGC	PASS
			3dB above AGC	PASS
		HCH	Pre-AGC	PASS
			3dB above AGC	PASS
Remark: Compare the spectral plot of the input signal to the output signal affirm that there is no change in the occupied bandwidth of the retransmitted signals. The test result complies with the requirement.				

Occupied Bandwidth				
Test Path	Test Signal	Test Channel	Signal Level	Verdict
UL	H-DQPSK	LCH	Pre-AGC	PASS
			3dB above AGC	PASS
		MCH	Pre-AGC	PASS
			3dB above AGC	PASS
		HCH	Pre-AGC	PASS
			3dB above AGC	PASS
	TETRA	LCH	Pre-AGC	PASS
			3dB above AGC	PASS
		MCH	Pre-AGC	PASS
			3dB above AGC	PASS
		HCH	Pre-AGC	PASS
			3dB above AGC	PASS

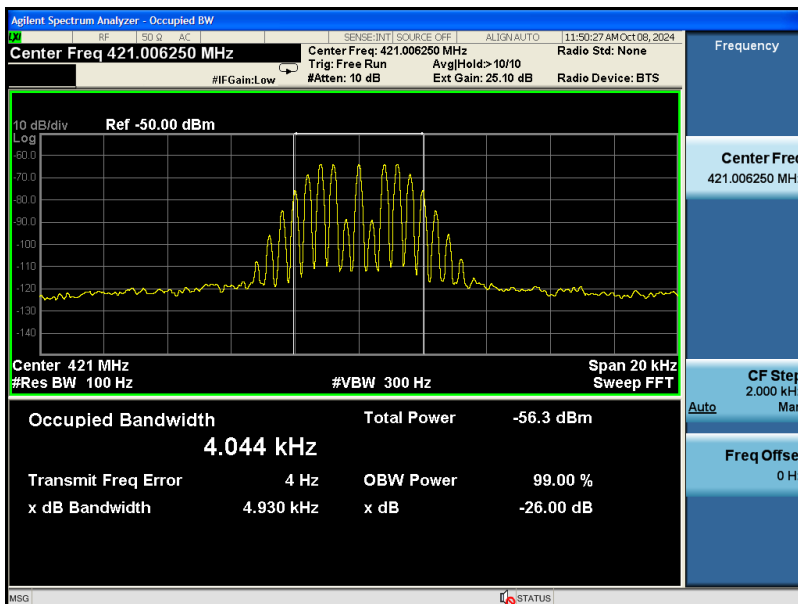
Remark:
Compare the spectral plot of the input signal to the output signal affirm that there is no change in the occupied bandwidth of the retransmitted signals. The test result complies with the requirement.

99% OBW

DL_FM_LCH_Input_Pre-AGC



DL_FM_LCH_Input_3dB above AGC

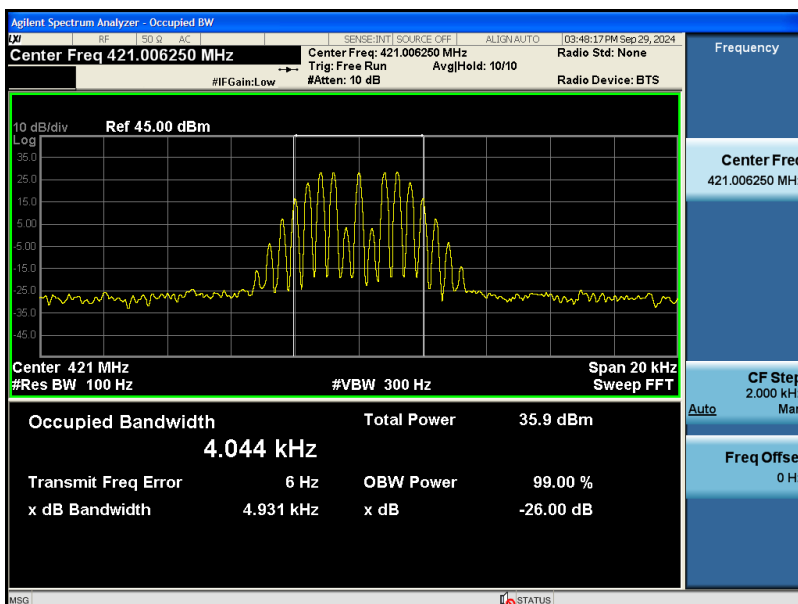


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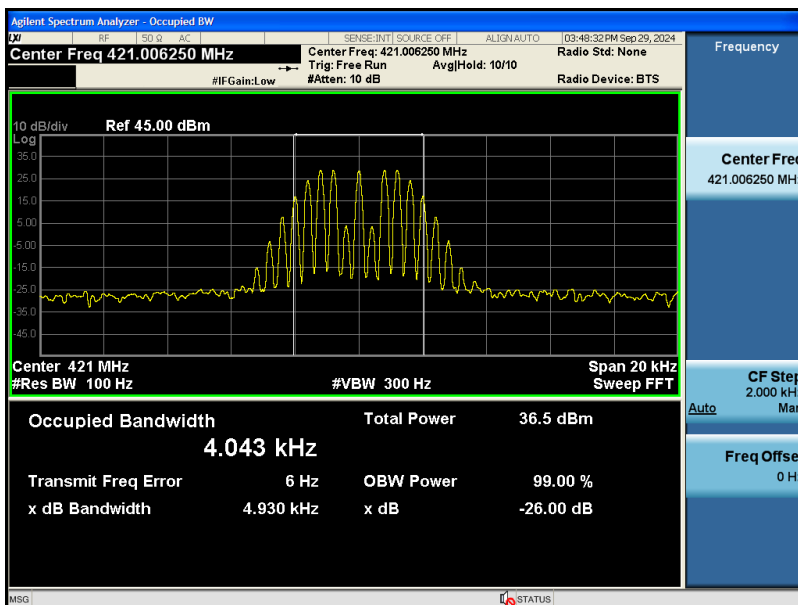
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99% OBW

DL_FM_LCH_Output_Pre-AGC

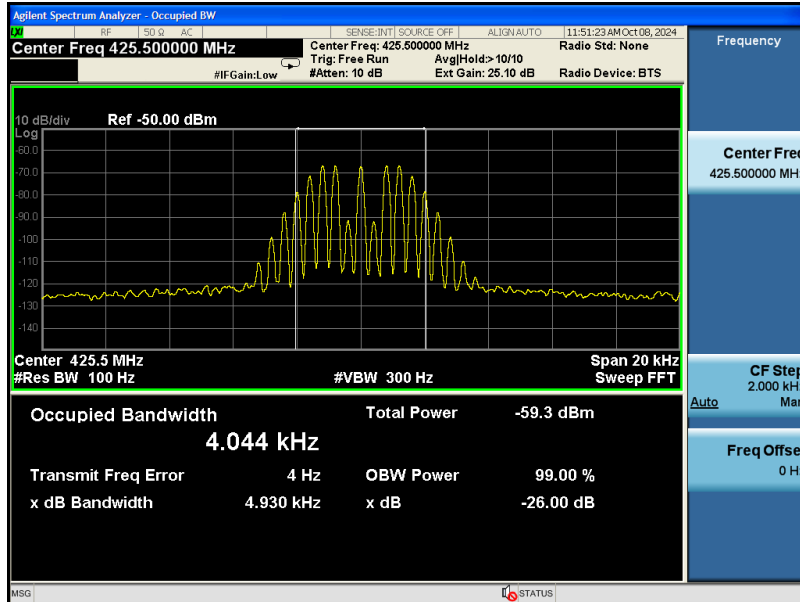


DL_FM_LCH_Output_3dB above AGC

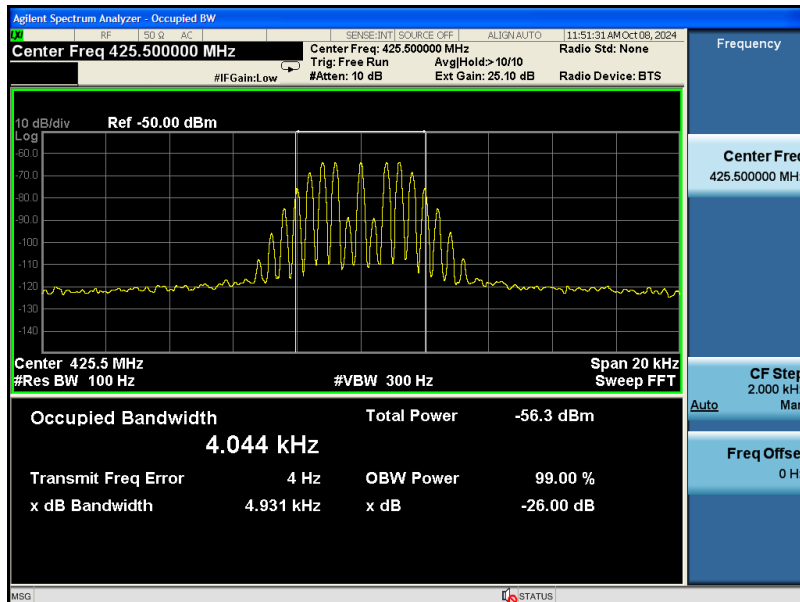


99% OBW

DL_FM_MCH_Input_Pre-AGC



DL_FM_MCH_Input_3dB above AGC

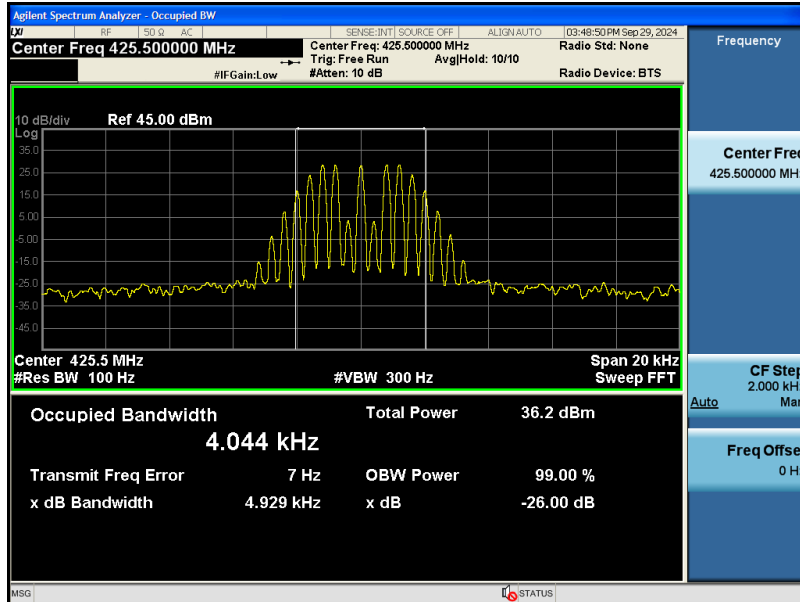


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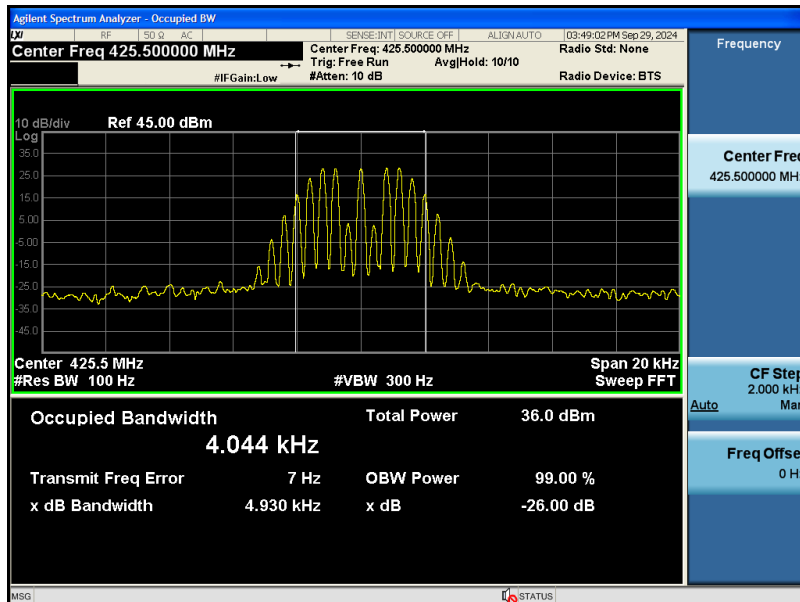
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99% OBW

DL_FM_MCH_Output_Pre-AGC



DL_FM_MCH_Output_3dB above AGC

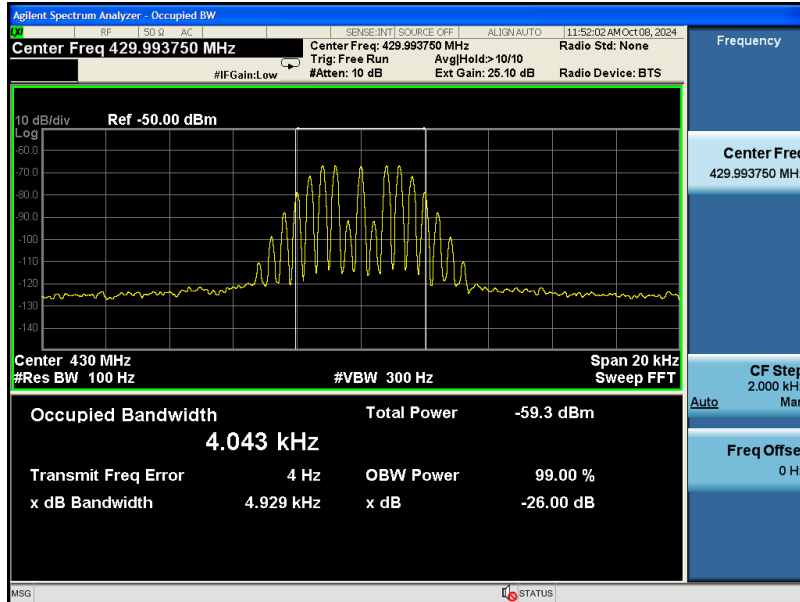


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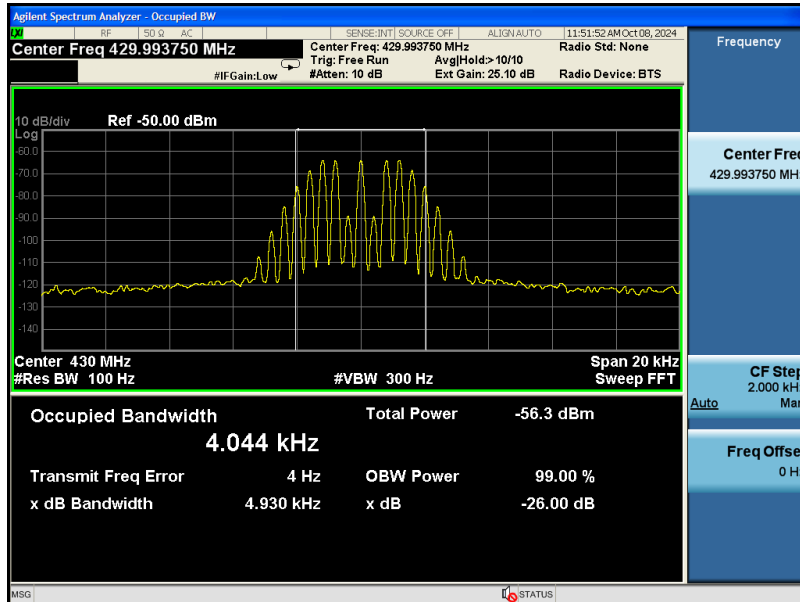
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DL_FM_HCH_Input_Pre-AGC



DL_FM_HCH_Input_3dB above AGC

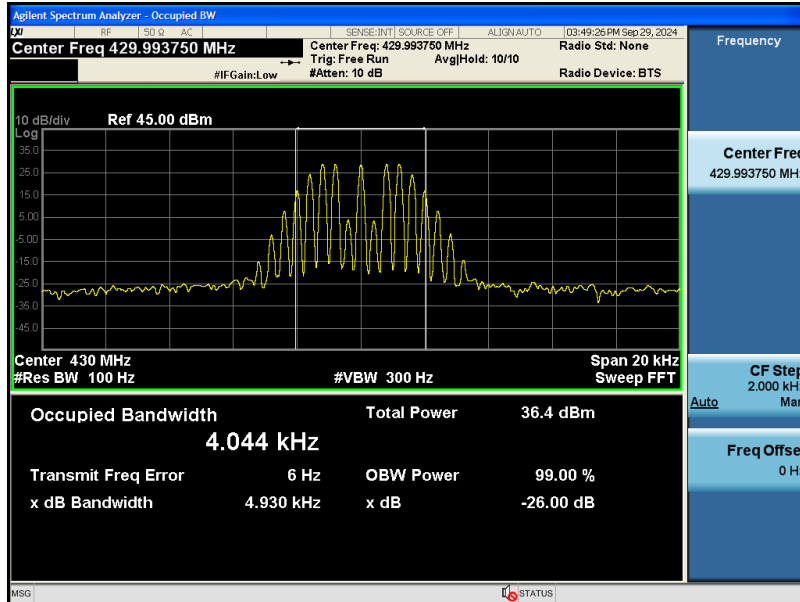


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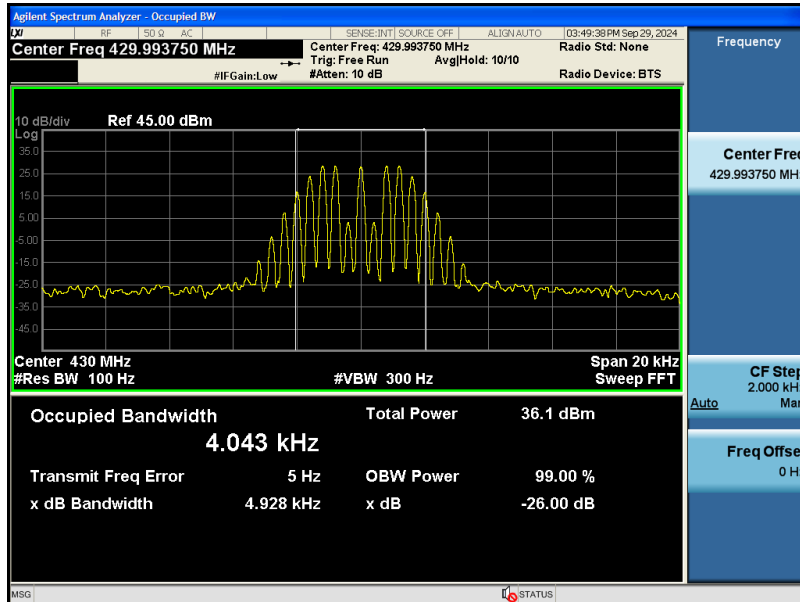
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99% OBW

DL_FM_HCH_Output_Pre-AGC



DL_FM_HCH_Output_3dB above AGC

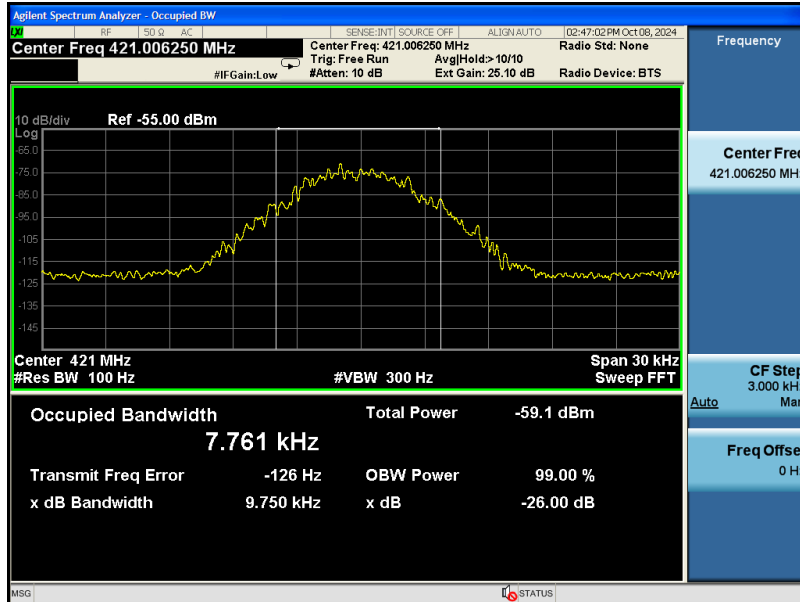


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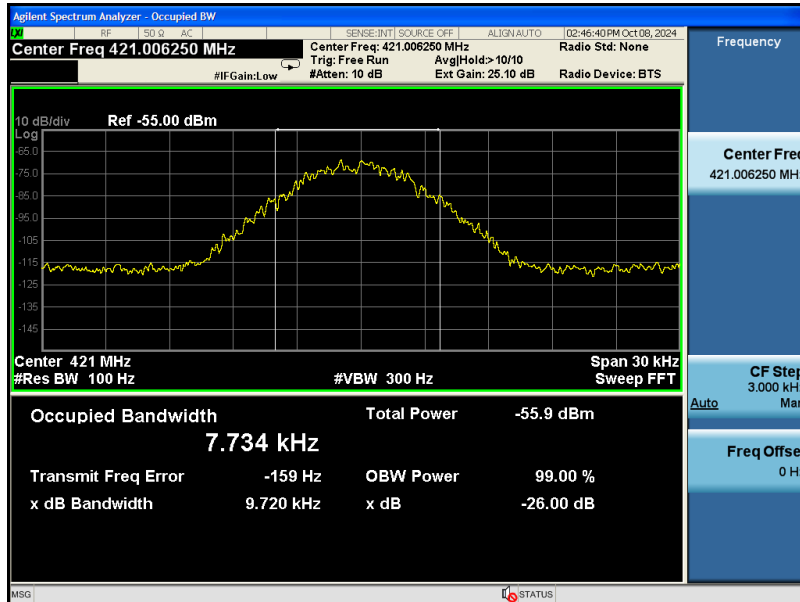
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99% OBW

DL_DMR_LCH_Input_Pre-AGC



DL_DMR_LCH_Input_3dB above AGC

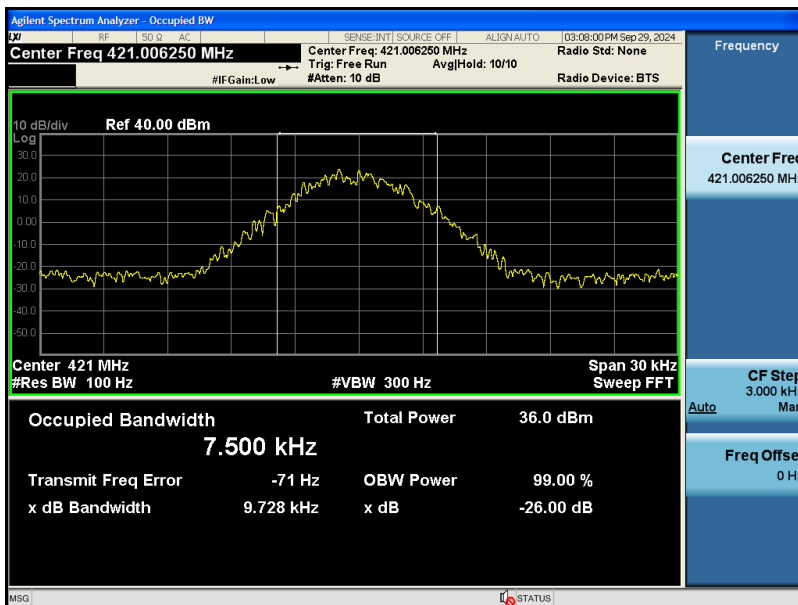


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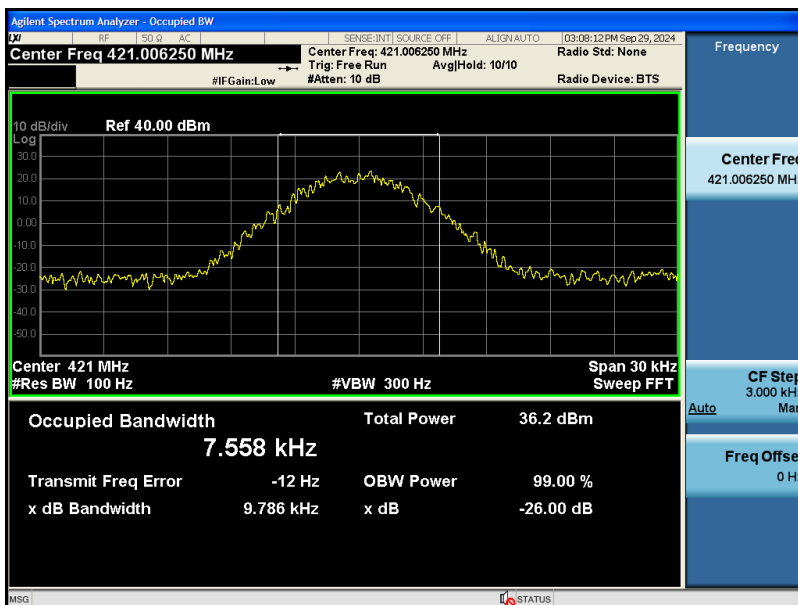
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99% OBW

DL_DMR_LCH_Output_Pre-AGC

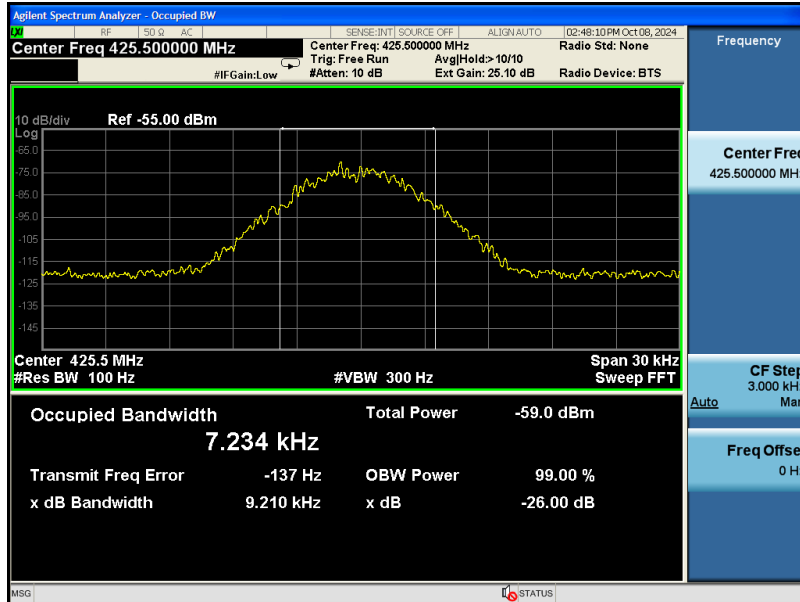


DL_DMR_LCH_Output_3dB above AGC



99% OBW

DL_DMR_MCH_Input_Pre-AGC

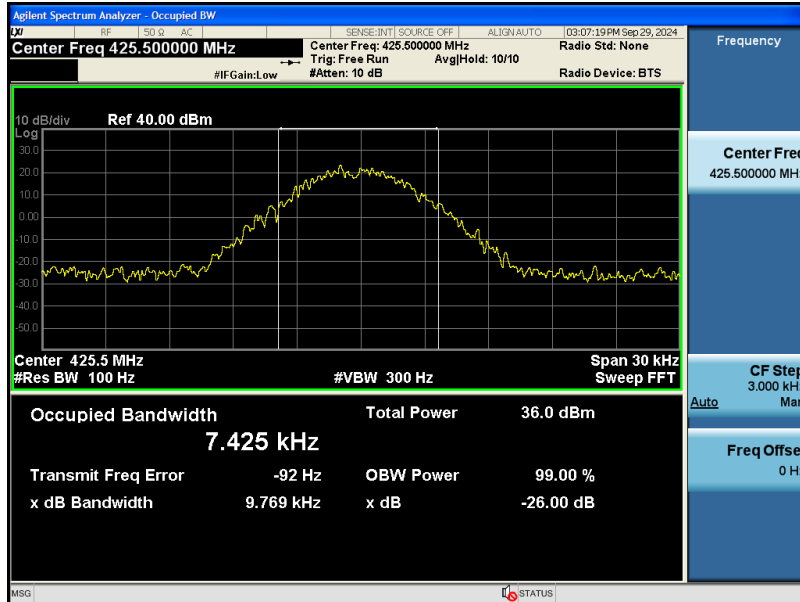


DL_DMR_MCH_Input_3dB above AGC

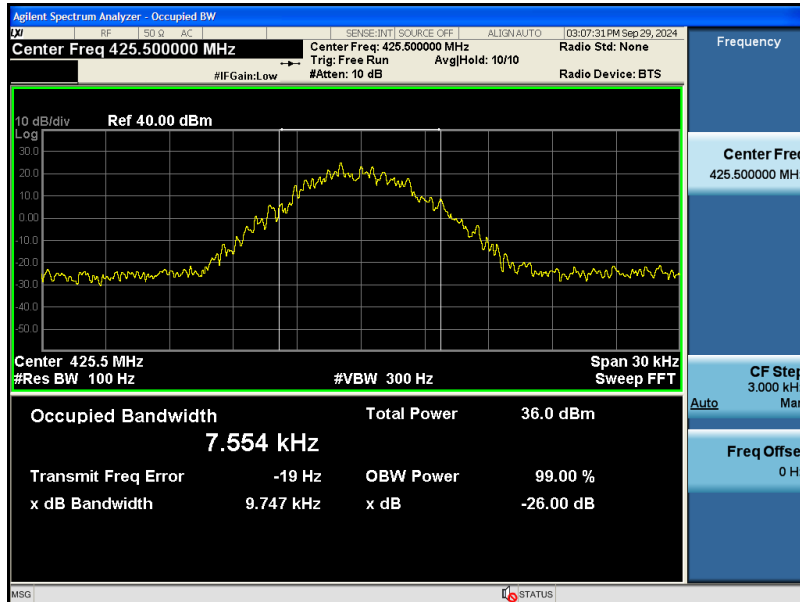


99% OBW

DL_DMR_MCH_Output_Pre-AGC

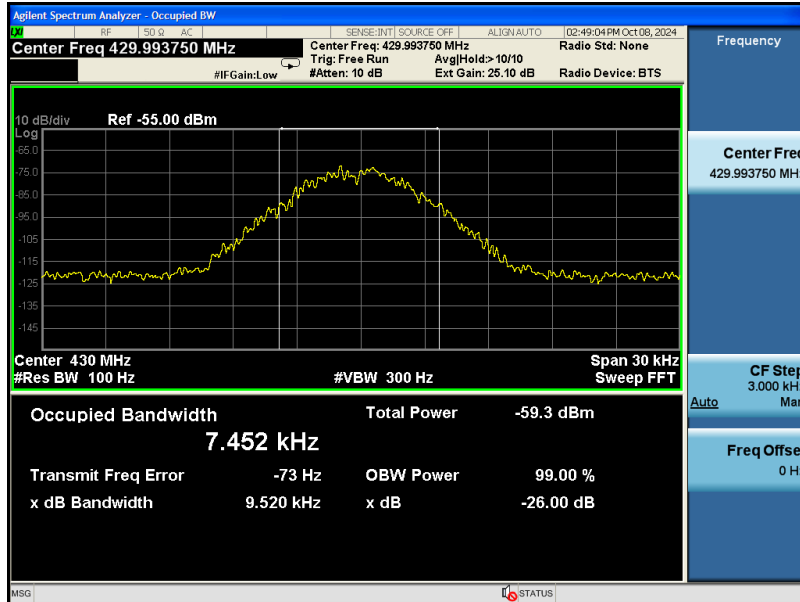


DL_DMR_MCH_Output_3dB above AGC

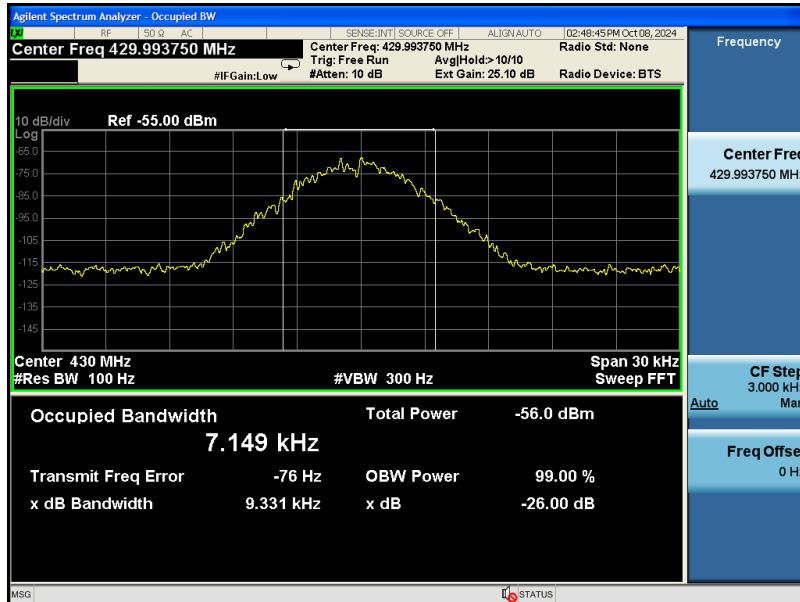


99% OBW

DL_DMR_HCH_Input_Pre-AGC

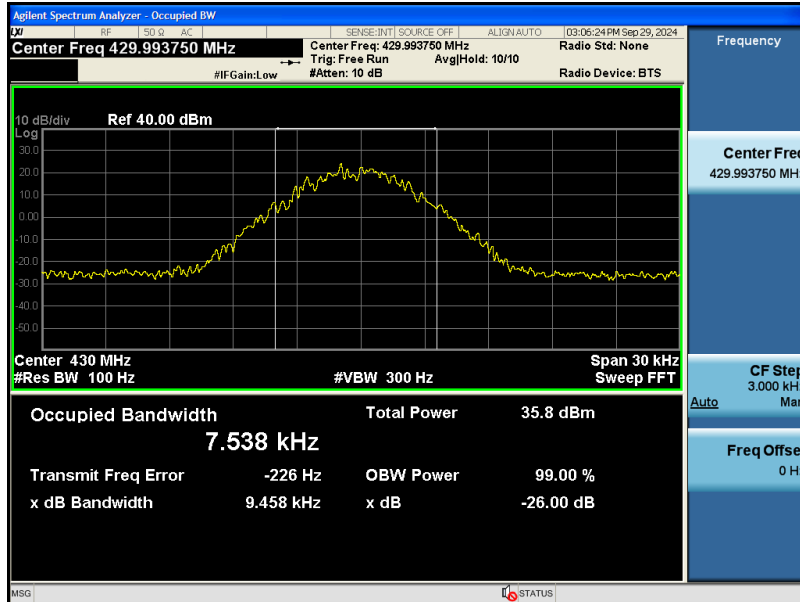


DL_DMR_HCH_Input_3dB above AGC

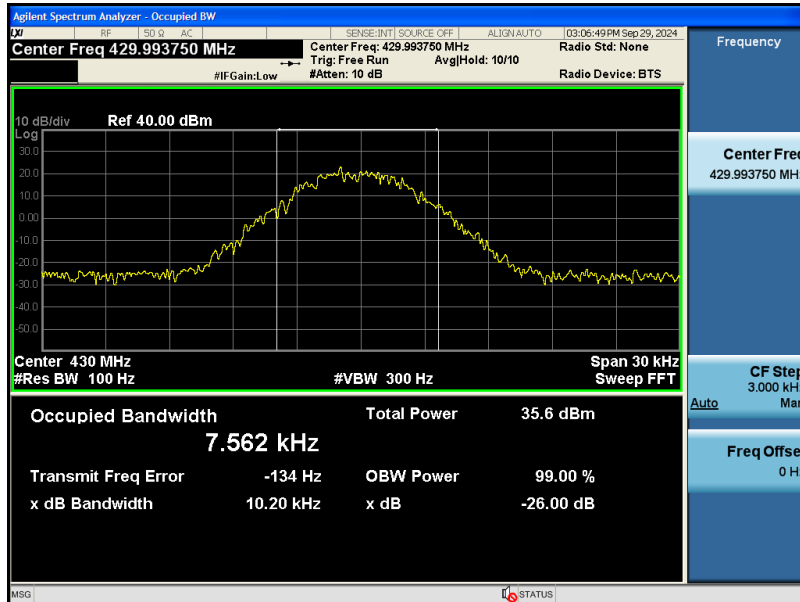


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DL_DMR_HCH_Output_Pre-AGC

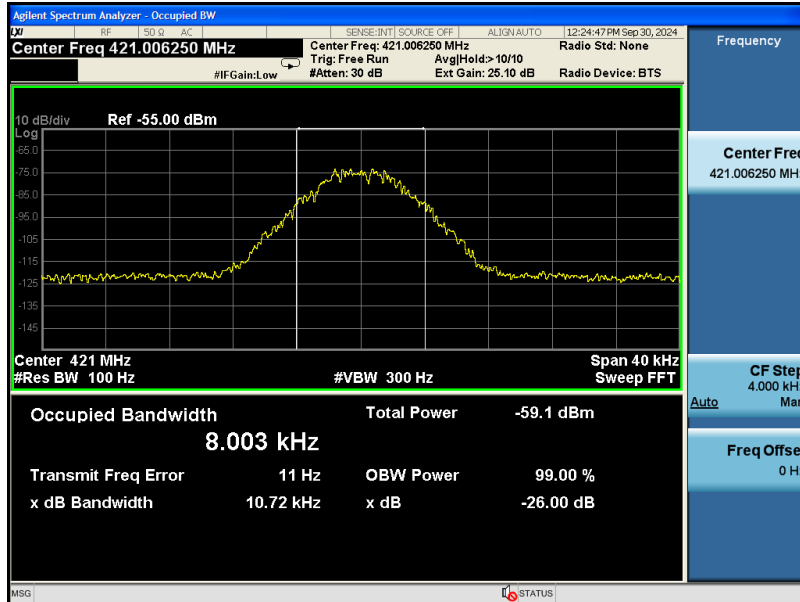


DL_DMR_HCH_Output_3dB above AGC

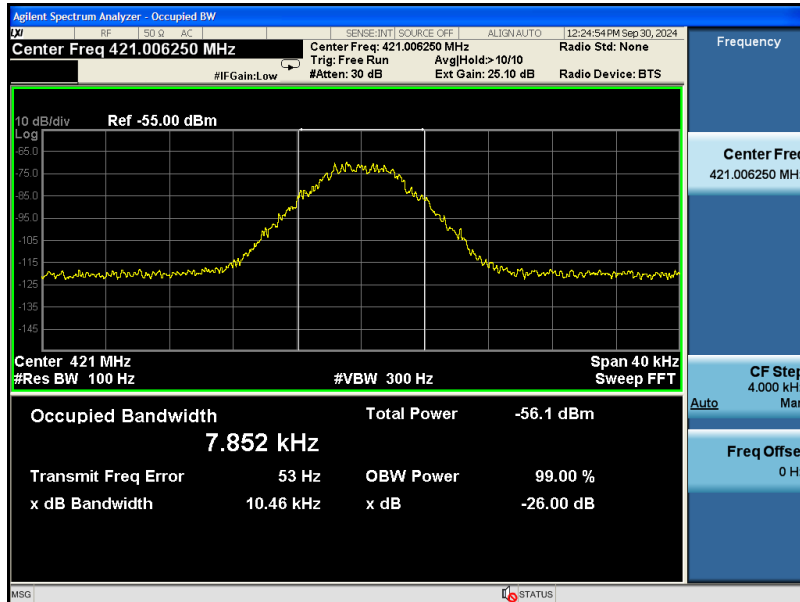


99% OBW

DL_C4FM_LCH_Input_Pre-AGC



DL_C4FM_LCH_Input_3dB above AGC

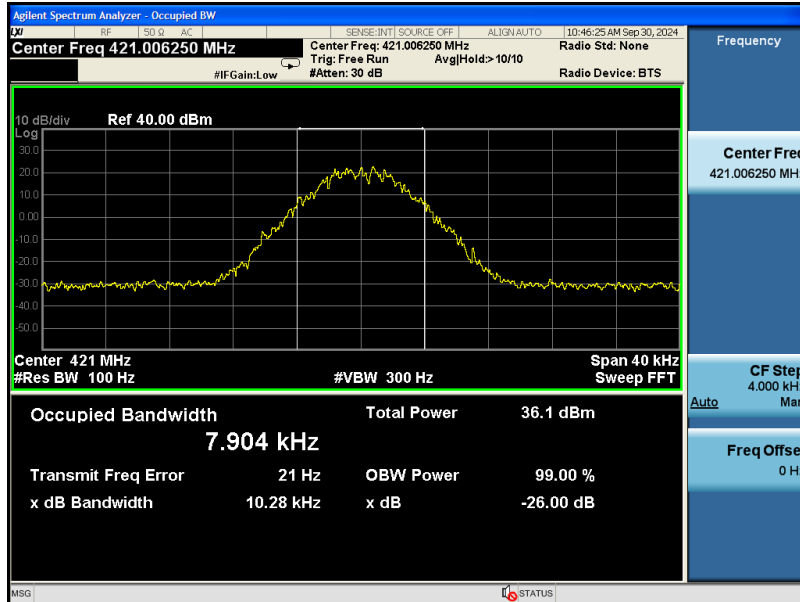


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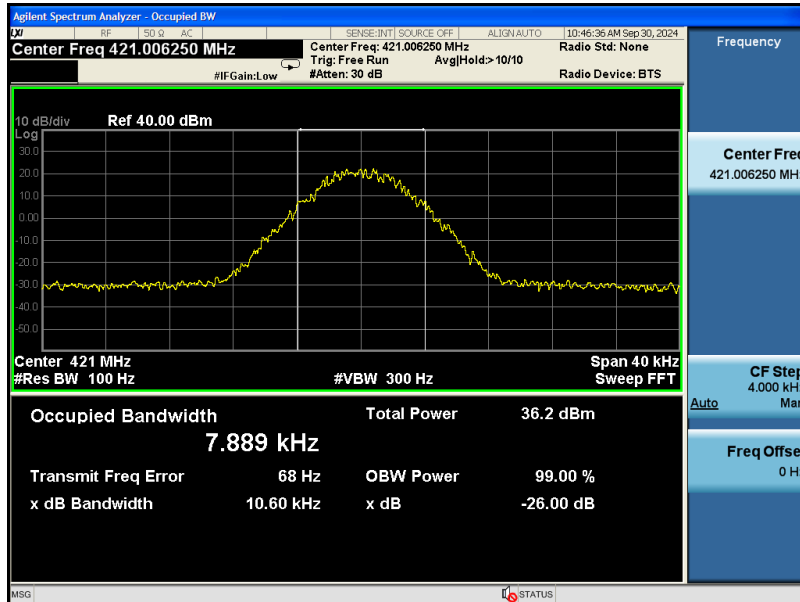
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DL_C4FM_LCH_Output_Pre-AGC

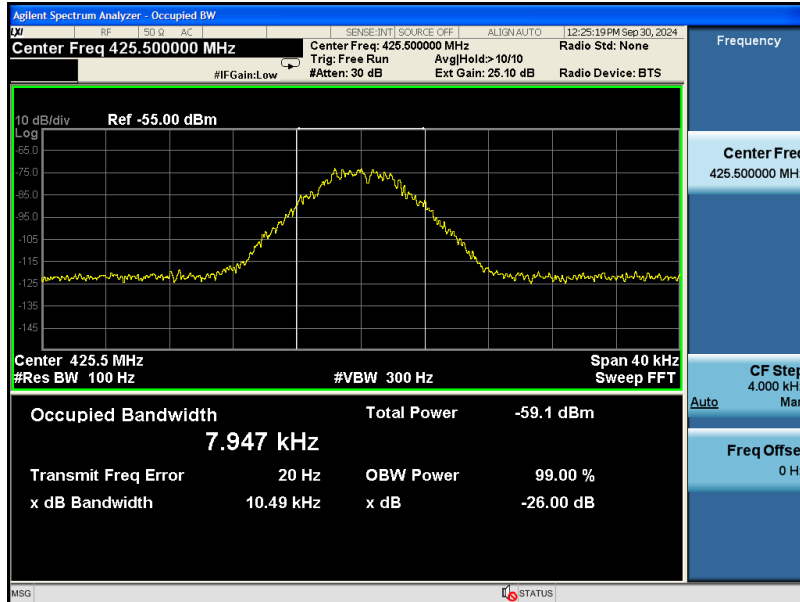


DL_C4FM_LCH_Output_3dB above AGC

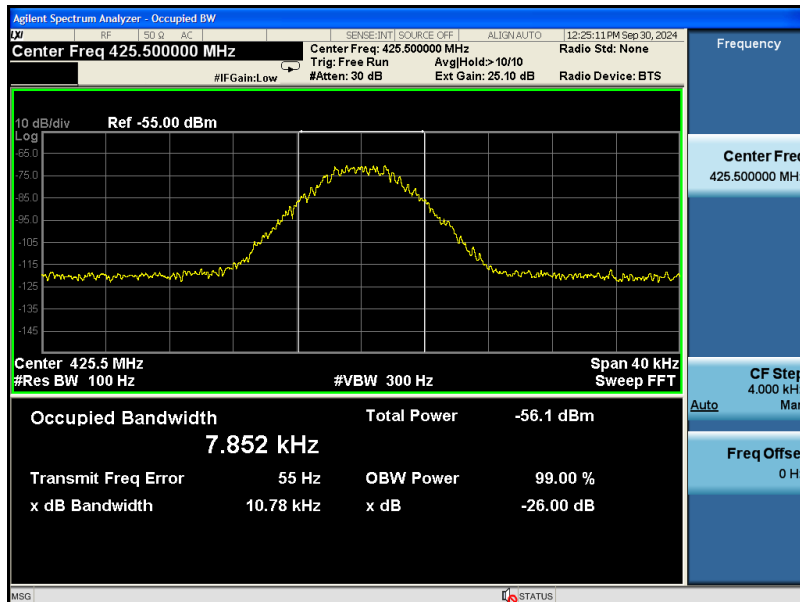


99% OBW

DL_C4FM_MCH_Input_Pre-AGC

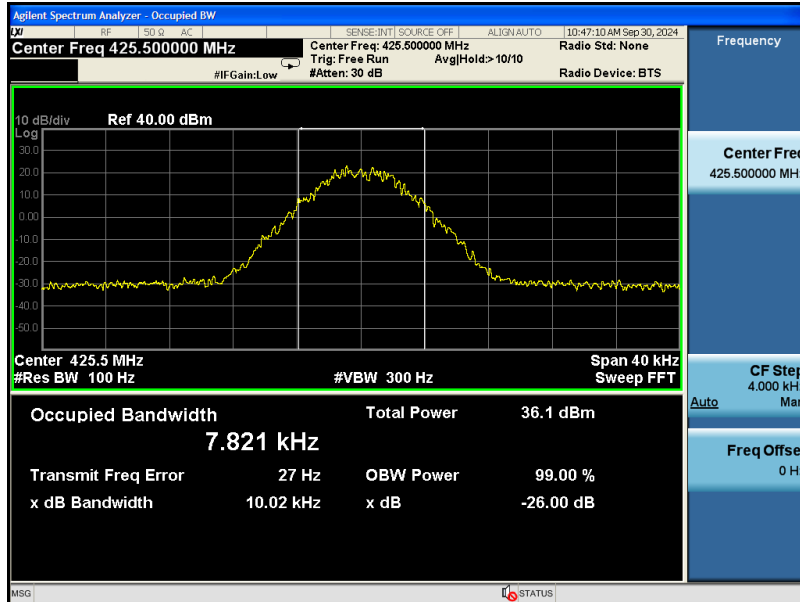


DL_C4FM_MCH_Input_3dB above AGC

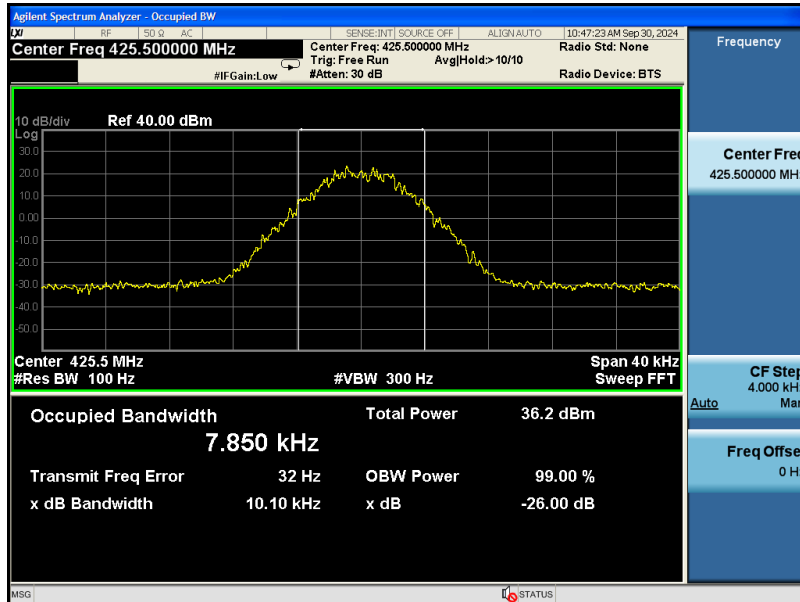


99% OBW

DL_C4FM_MCH_Output_Pre-AGC



DL_C4FM_MCH_Output_3dB above AGC

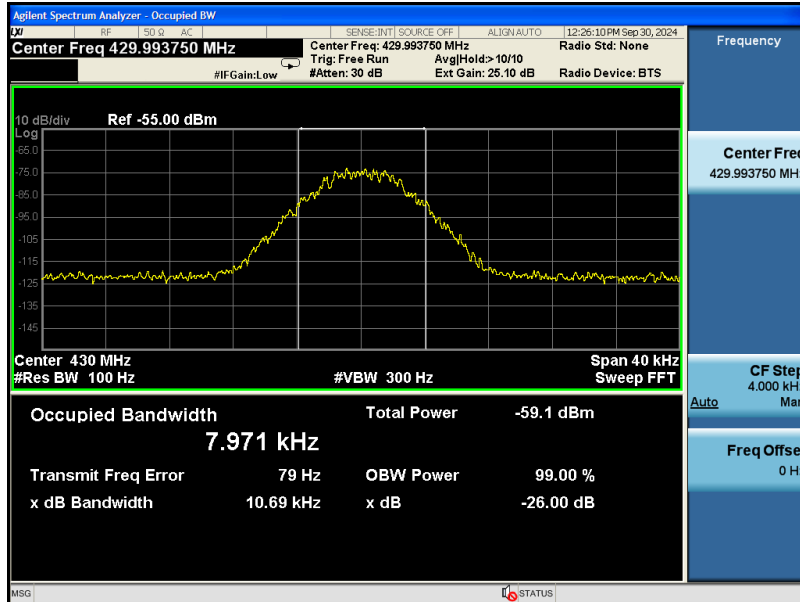


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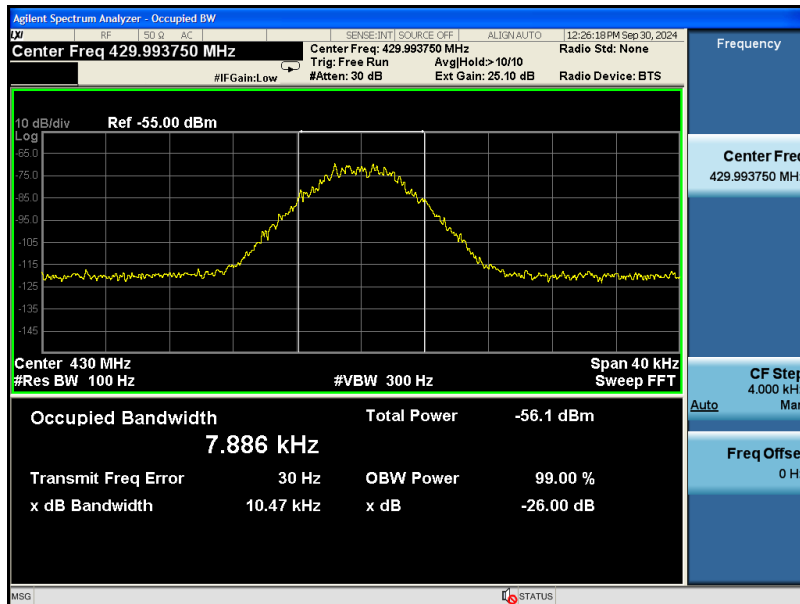
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DL_C4FM_HCH_Input_Pre-AGC

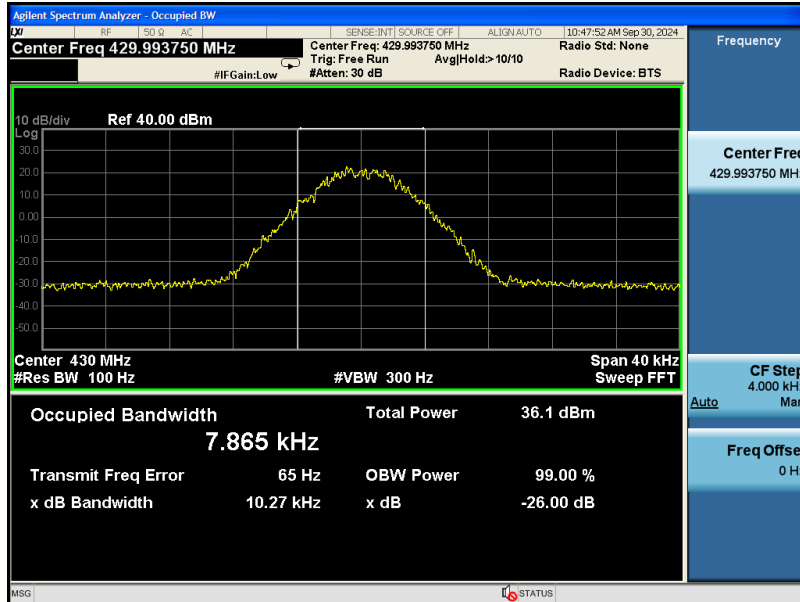


DL_C4FM_HCH_Input_3dB above AGC

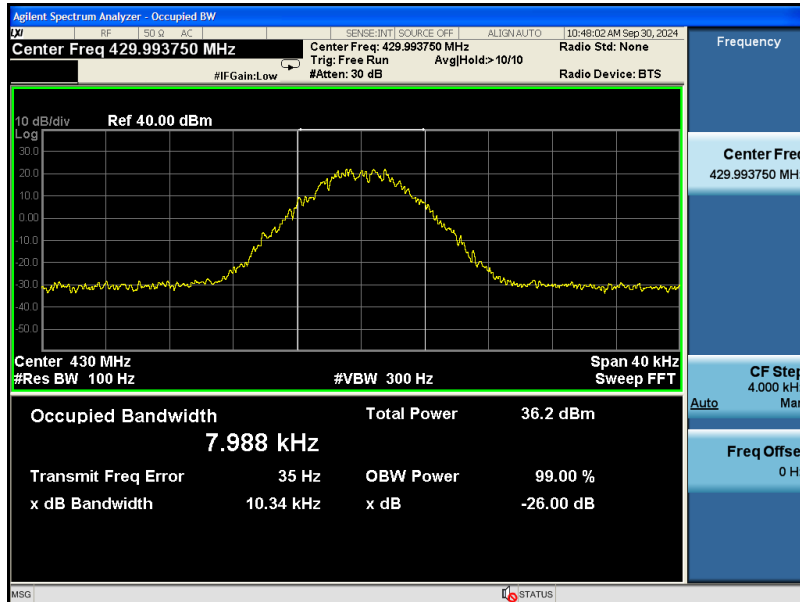


99% OBW

DL_C4FM_HCH_Output_Pre-AGC

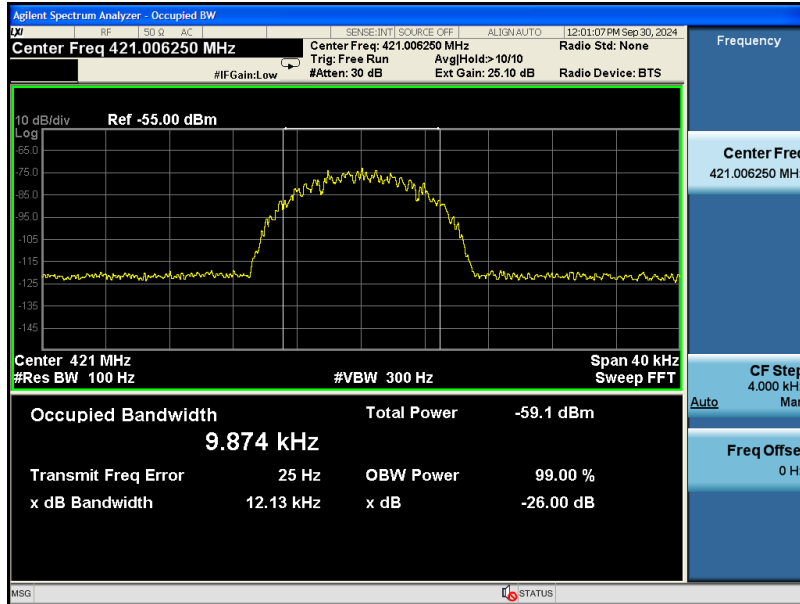


DL_C4FM_HCH_Output_3dB above AGC

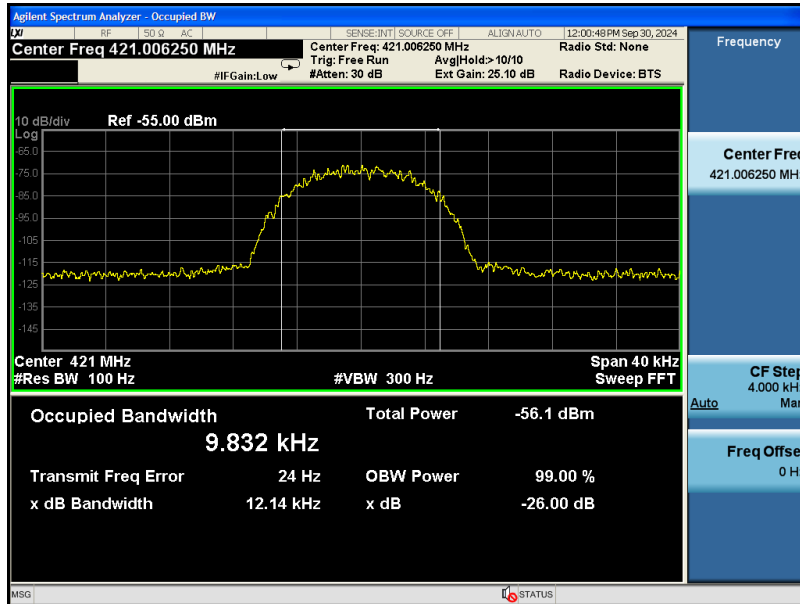


99% OBW

DL_H-DQPSK_LCH_Input_Pre-AGC

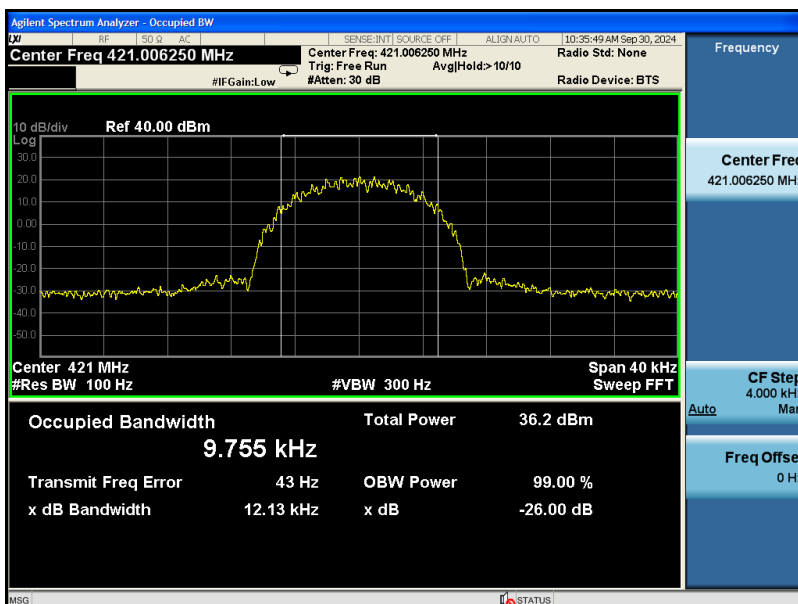


DL_H-DQPSK_LCH_Input_3dB above AGC

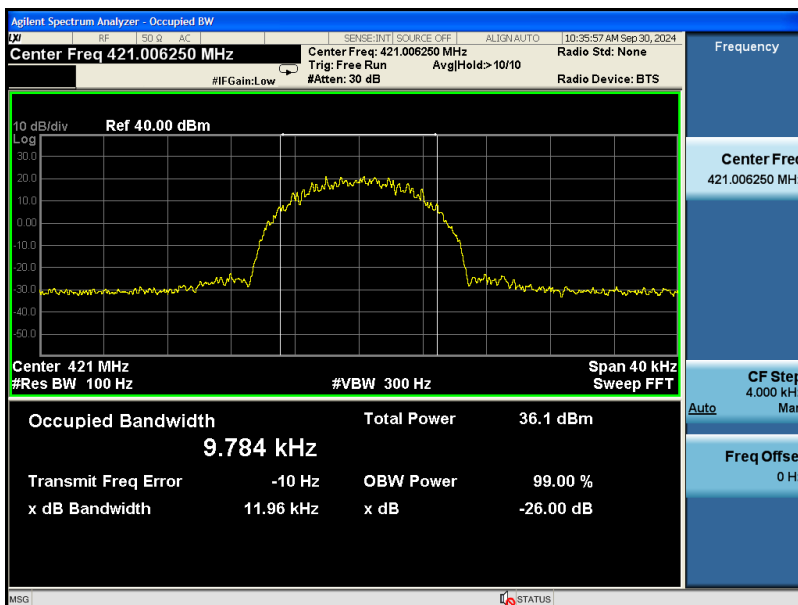


99% OBW

DL_H-DQPSK_LCH_Output_Pre-AGC

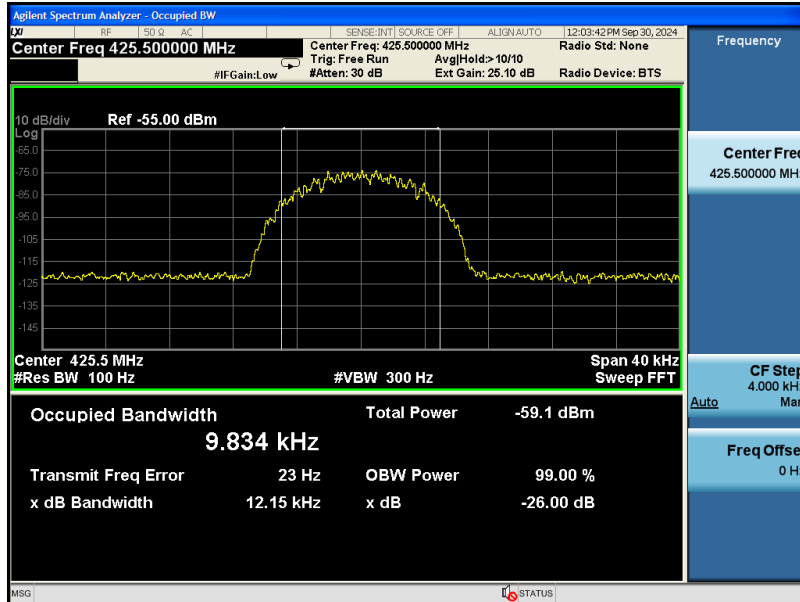


DL_H-DQPSK_LCH_Output_3dB above AGC

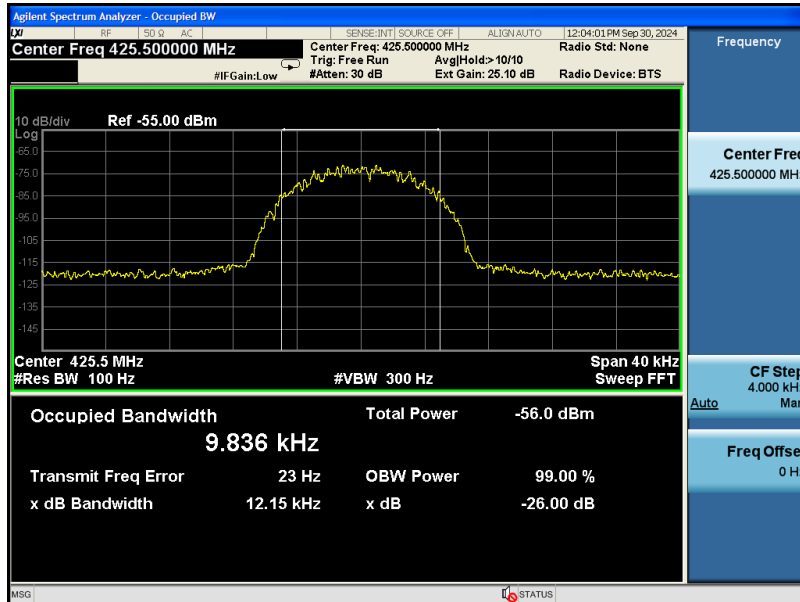


99% OBW

DL_H-DQPSK_MCH_Input_Pre-AGC



DL_H-DQPSK_MCH_Input_3dB above AGC

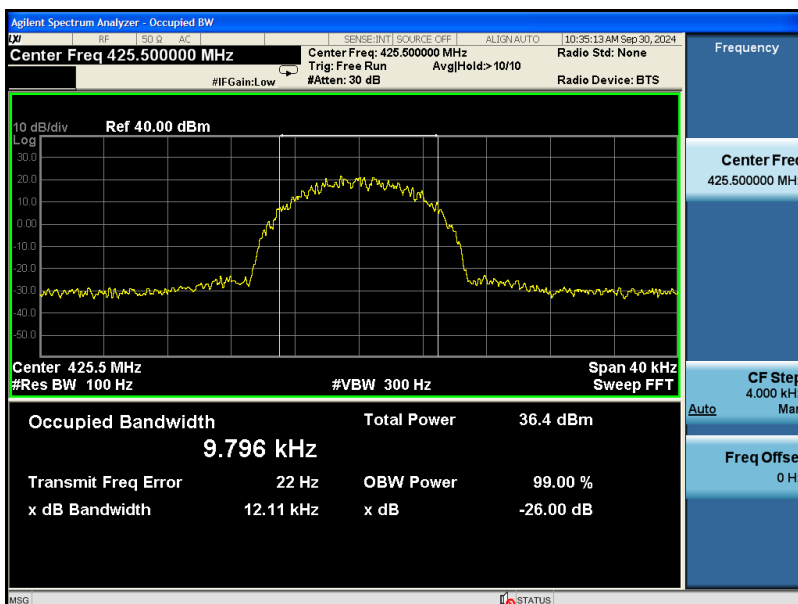


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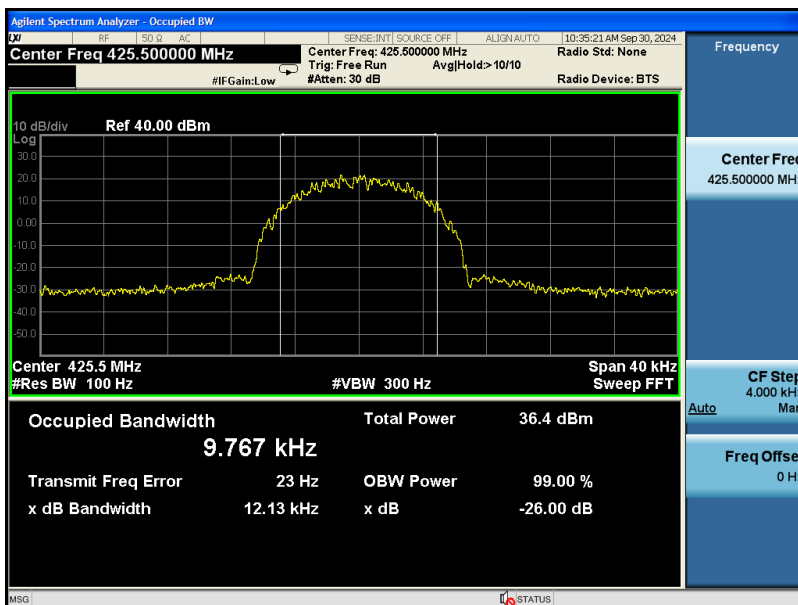
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DL_H-DQPSK_MCH_Output_Pre-AGC



DL_H-DQPSK_MCH_Output_3dB above AGC



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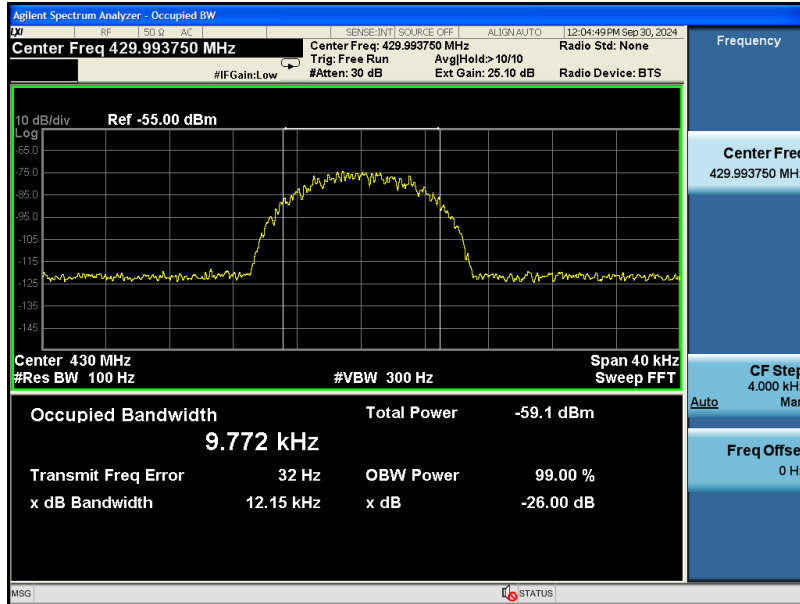
SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch

No. 198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

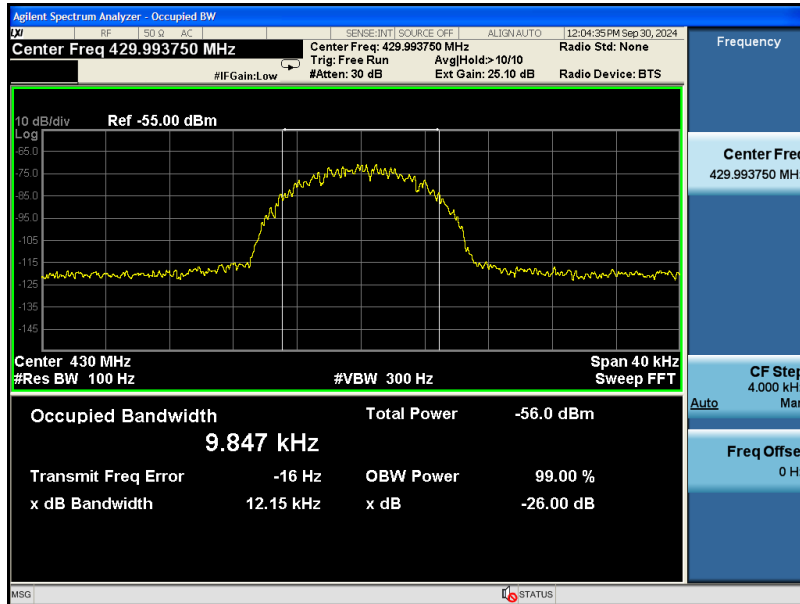
t (86-20) 82155555 www.sgs.com.cn
t (86-20) 82155555 sgs.china@sgs.com

99% OBW

DL_H-DQPSK_HCH_Input_Pre-AGC

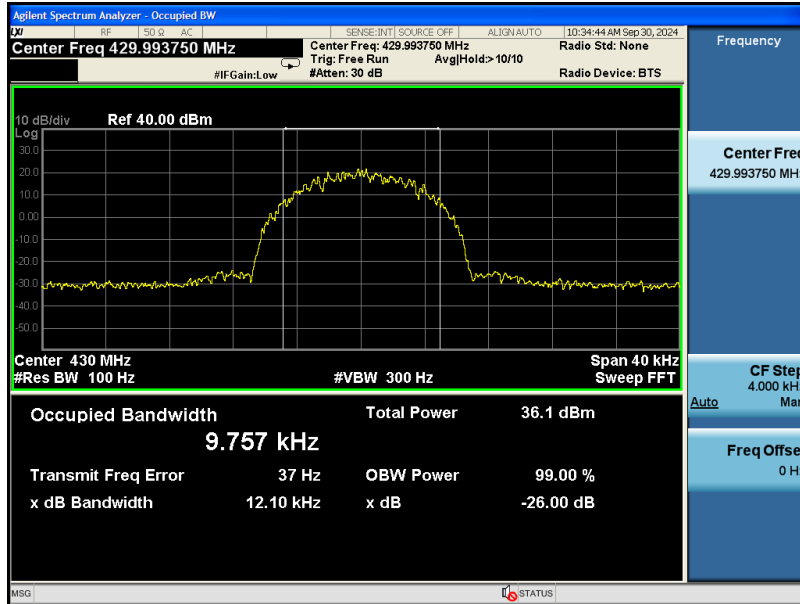


DL_H-DQPSK_HCH_Input_3dB above AGC

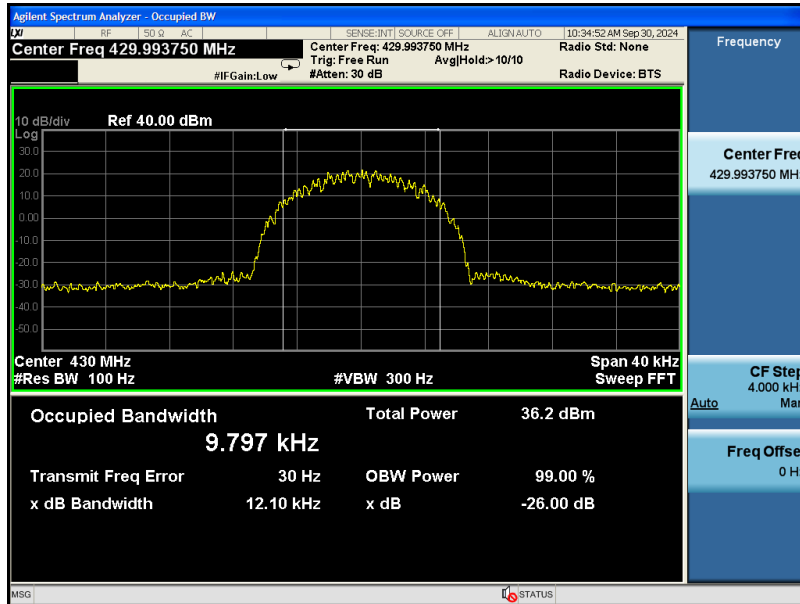


99% OBW

DL_H-DQPSK_HCH_Output_Pre-AGC



DL_H-DQPSK_HCH_Output_3dB above AGC

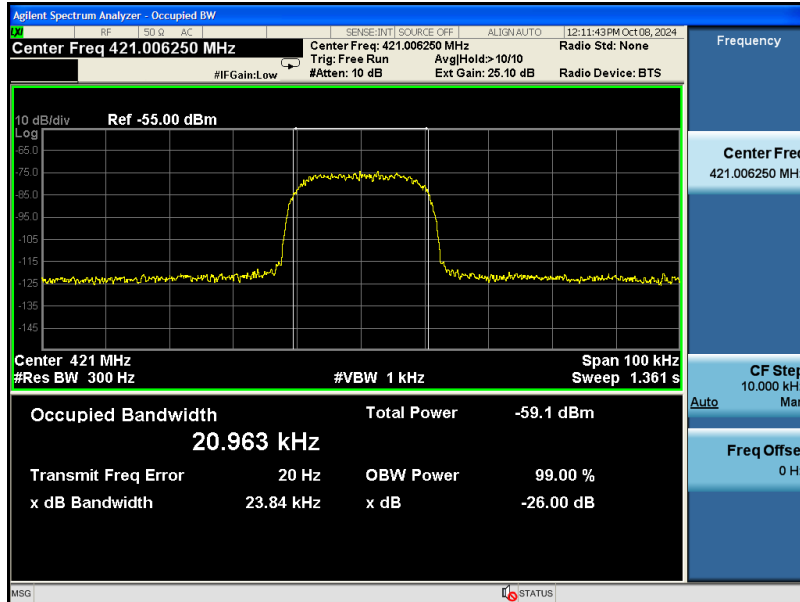


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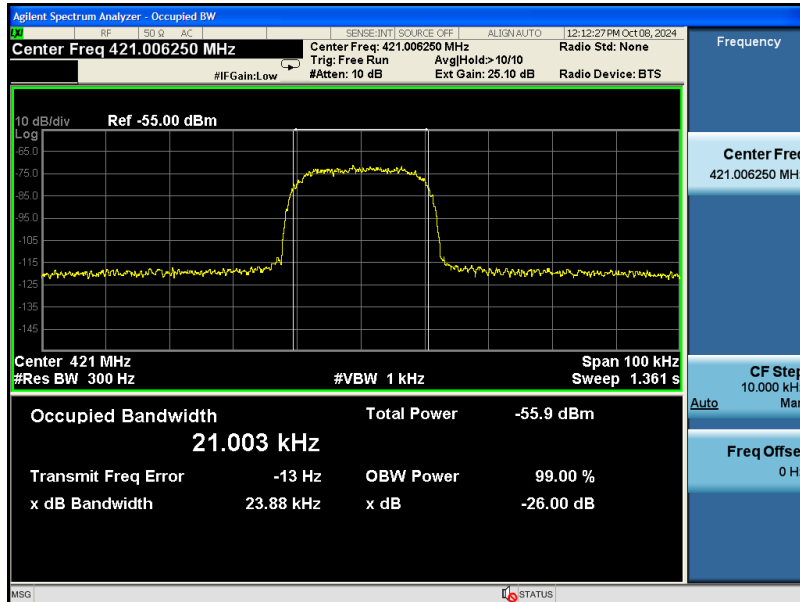
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99% OBW

DL_TETRA_LCH_Input_Pre-AGC

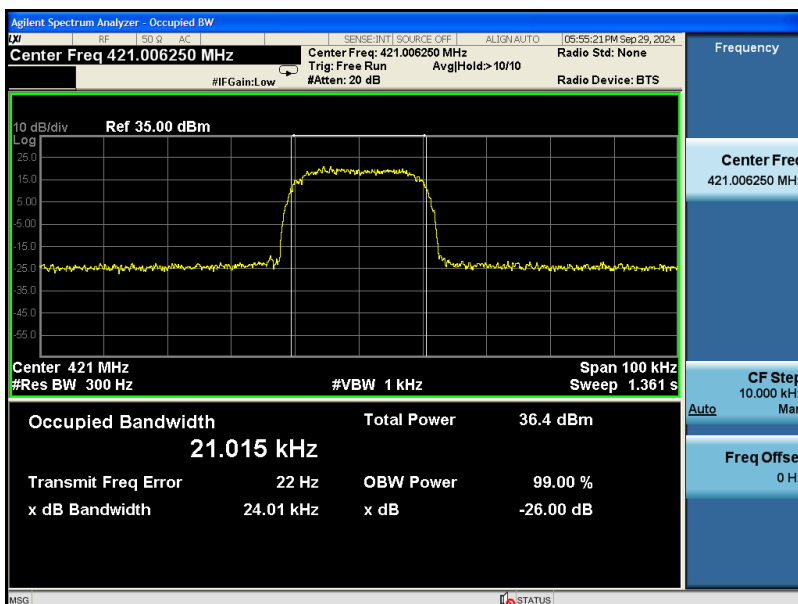


DL_TETRA_LCH_Input_3dB above AGC

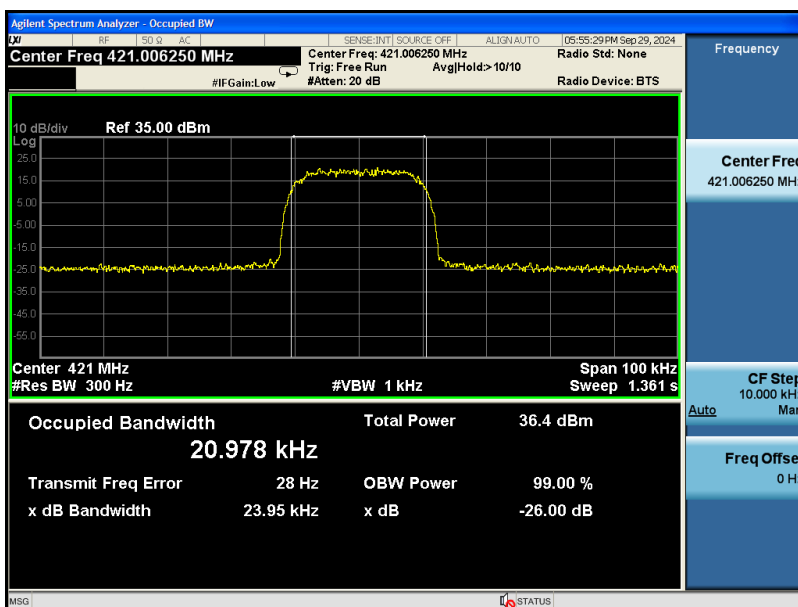


99% OBW

DL_TETRA_LCH_Output_Pre-AGC

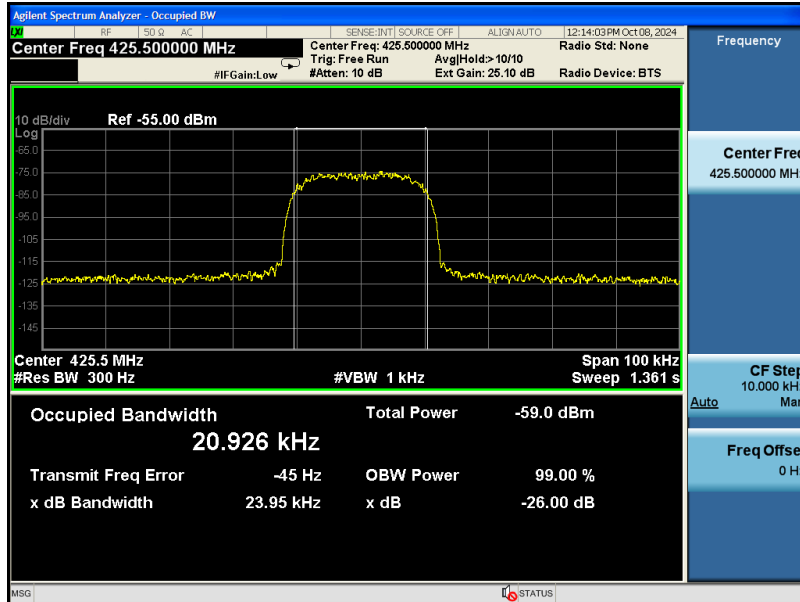


DL_TETRA_LCH_Output_3dB above AGC

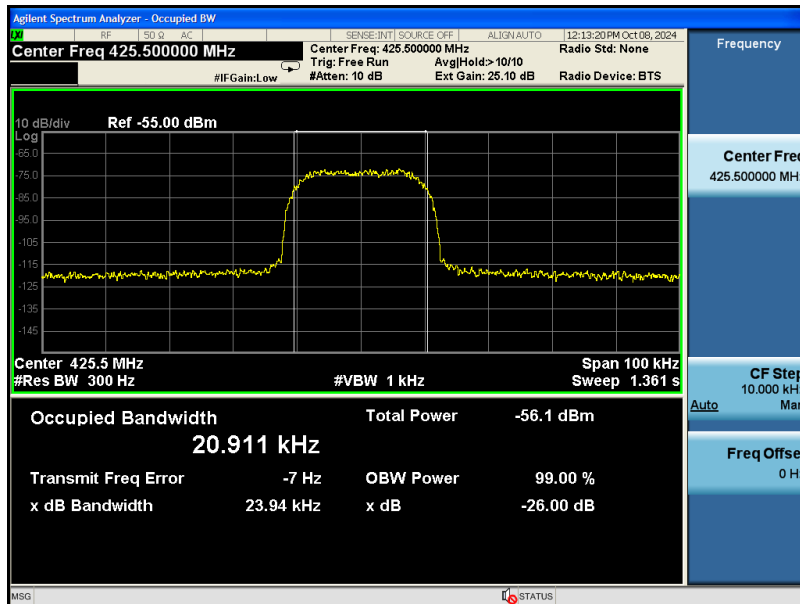


99% OBW

DL_TETRA_MCH_Input_Pre-AGC



DL_TETRA_MCH_Input_3dB above AGC

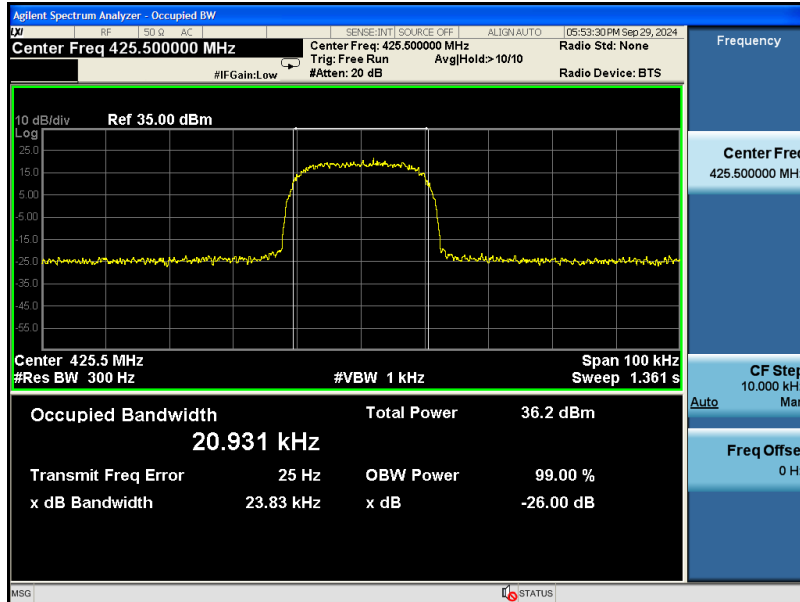


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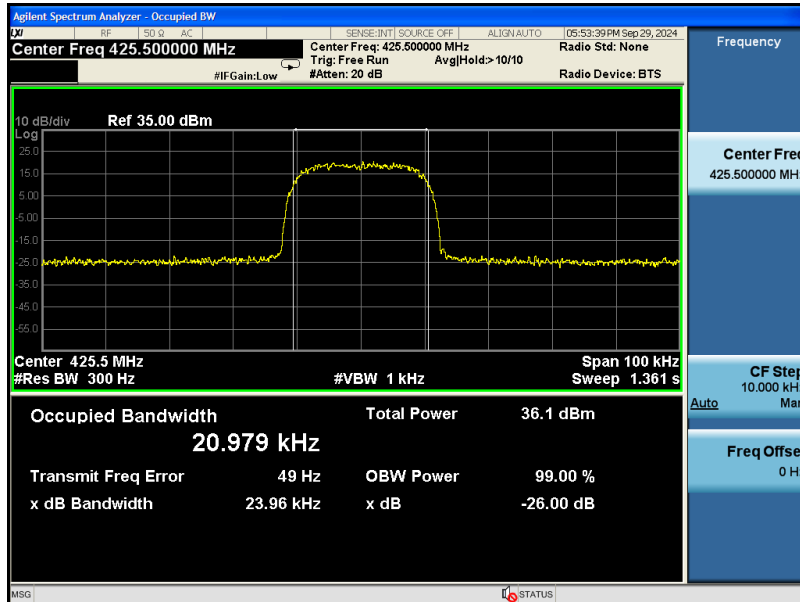
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99% OBW

DL_TETRA_MCH_Output_Pre-AGC

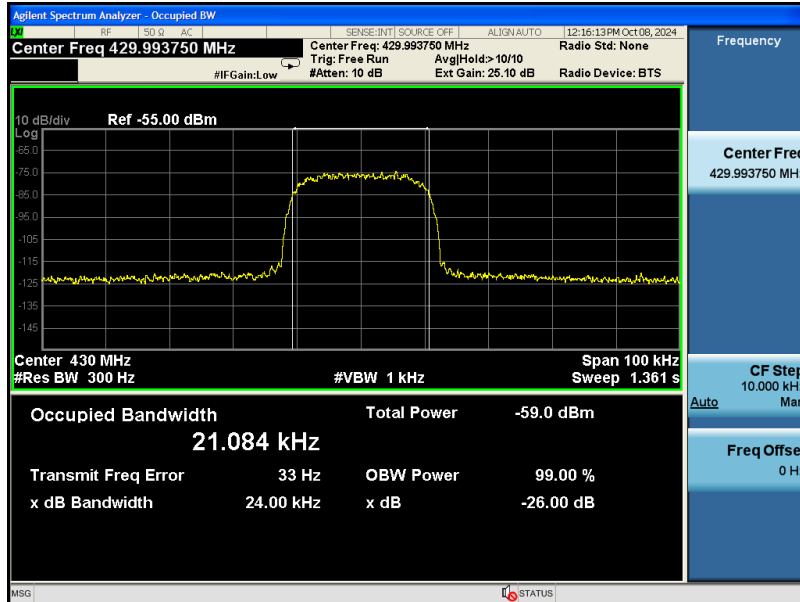


DL_TETRA_MCH_Output_3dB above AGC

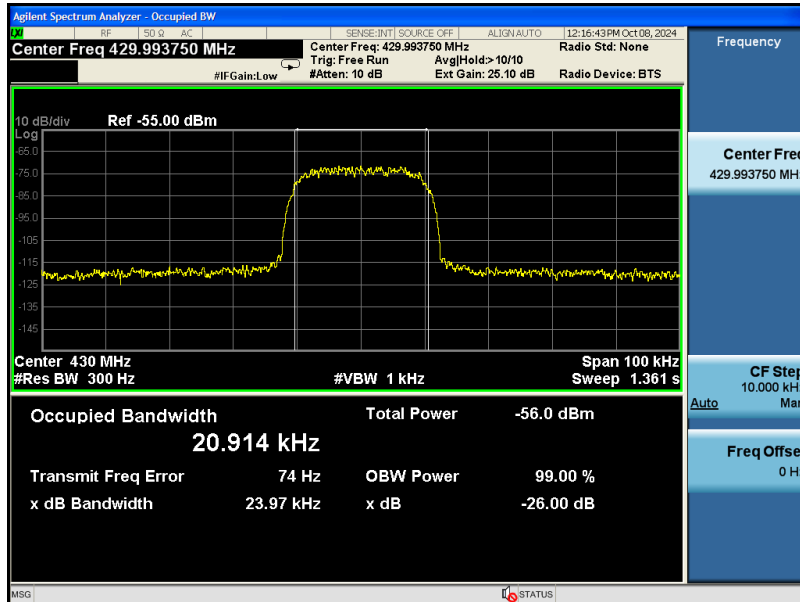


99% OBW

DL_TETRA_HCH_Input_Pre-AGC

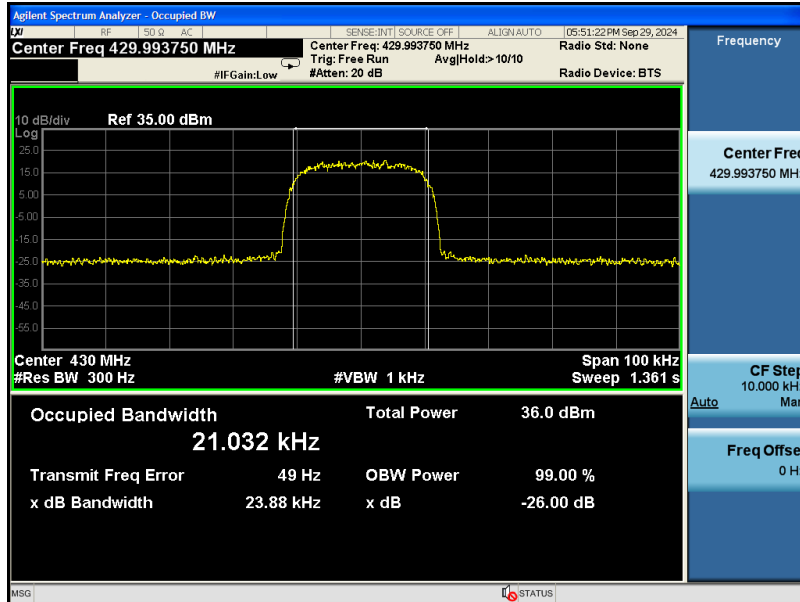


DL_TETRA_HCH_Input_3dB above AGC

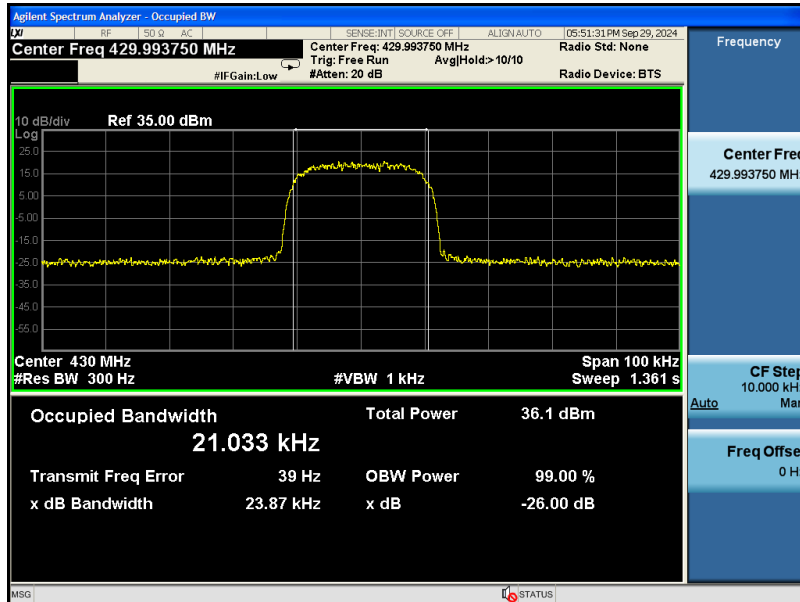


99% OBW

DL_TETRA_HCH_Output_Pre-AGC



DL_TETRA_HCH_Output_3dB above AGC

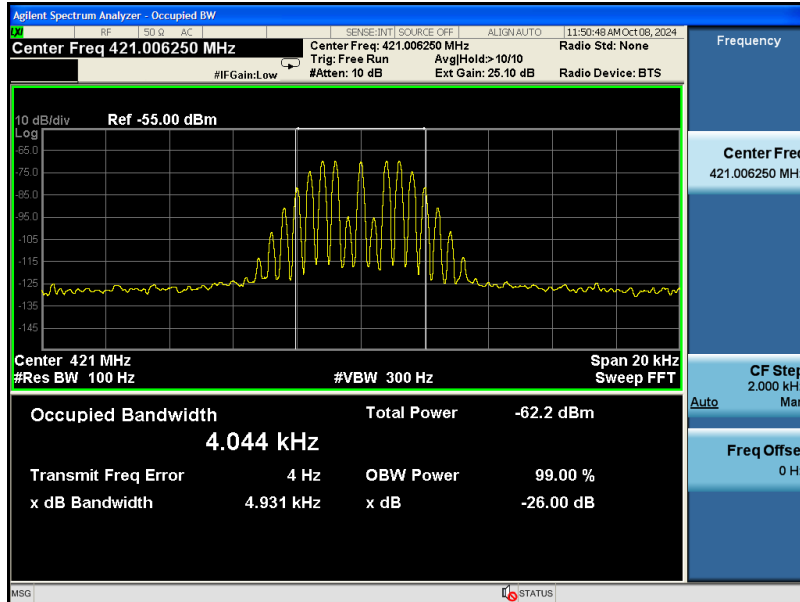


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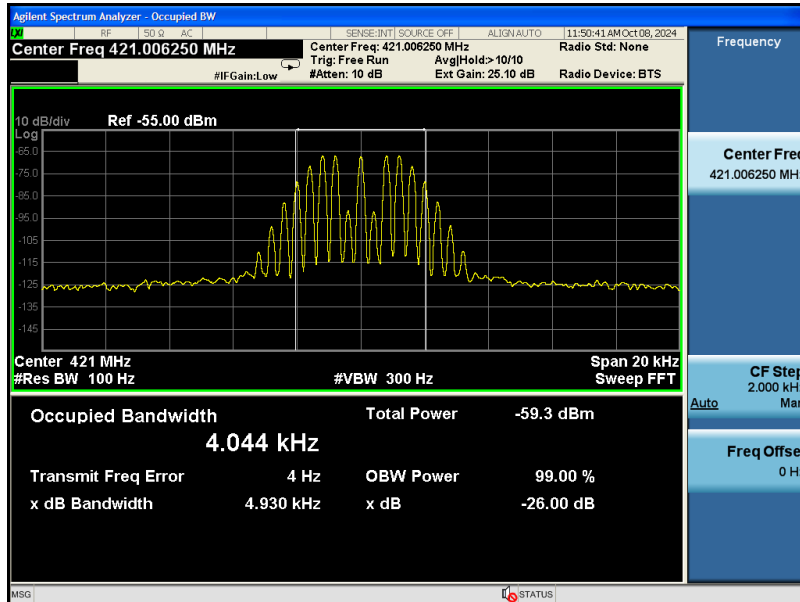
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UL_FM_LCH_Input_Pre-AGC



UL_FM_LCH_Input_3dB above AGC

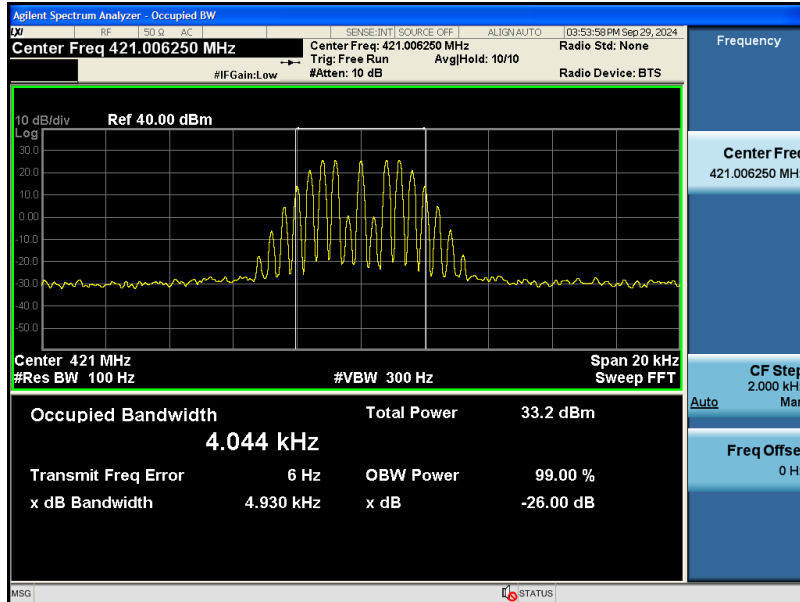


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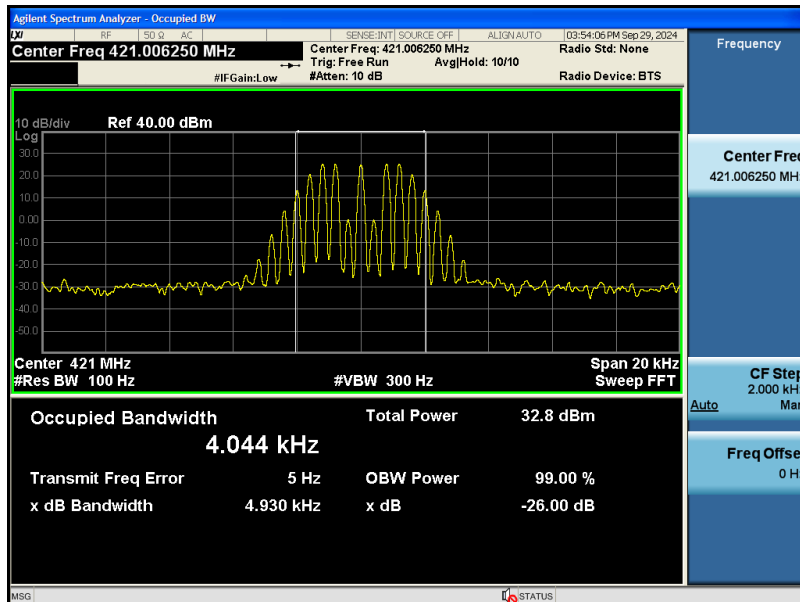
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UL_FM_LCH_Output_Pre-AGC

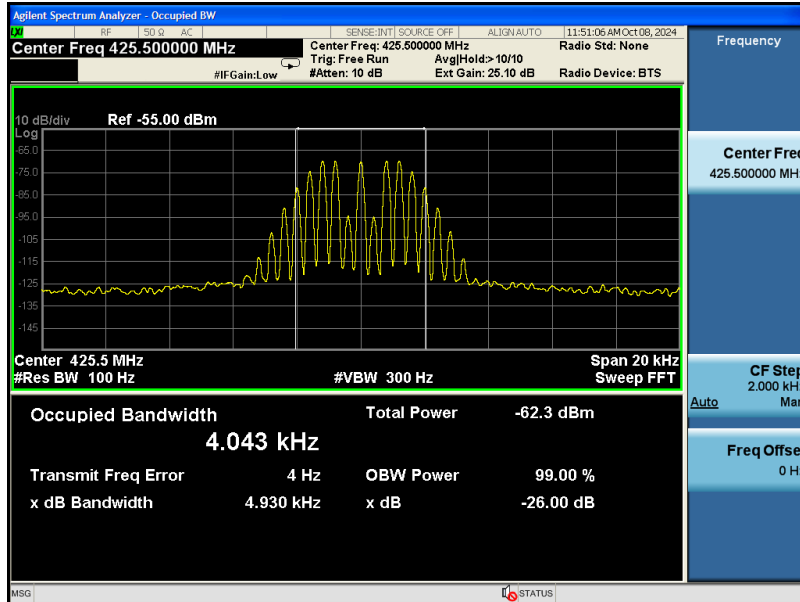


UL_FM_LCH_Output_3dB above AGC

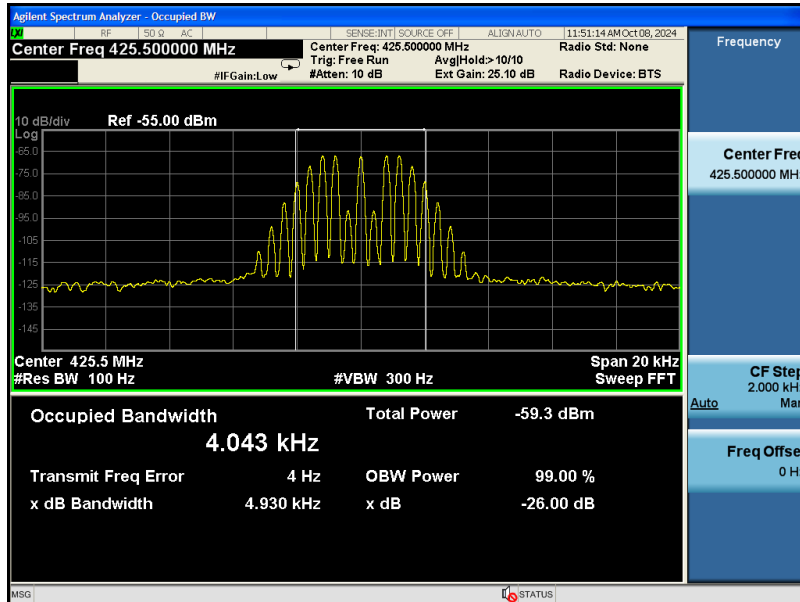


99% OBW

UL_FM_MCH_Input_Pre-AGC

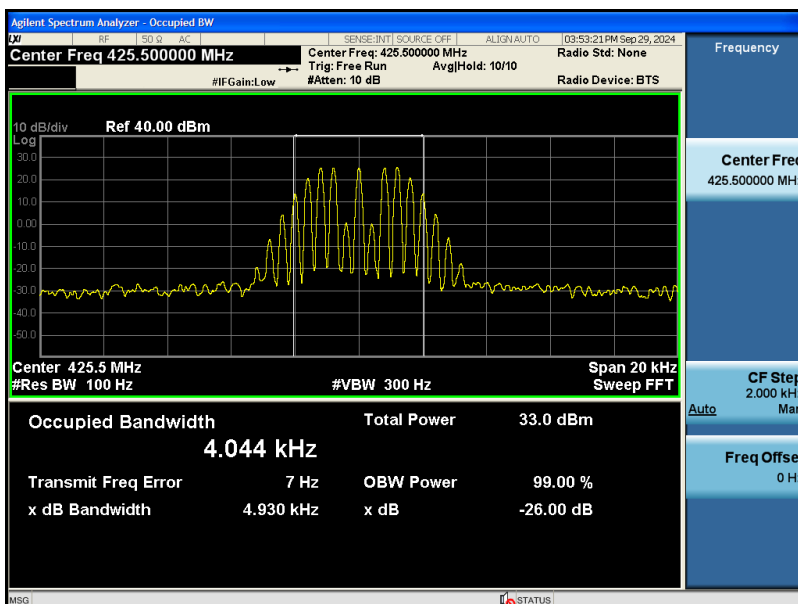


UL_FM_MCH_Input_3dB above AGC

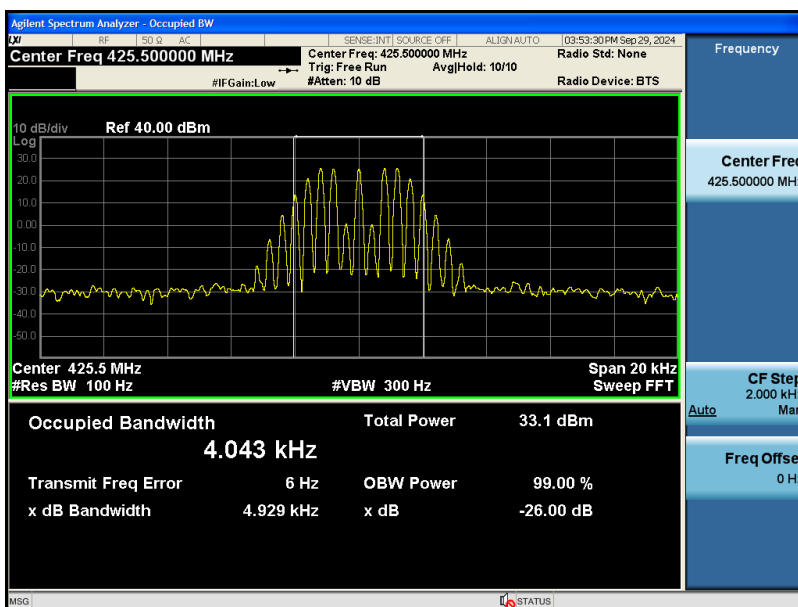


99% OBW

UL_FM_MCH_Output_Pre-AGC



UL_FM_MCH_Output_3dB above AGC

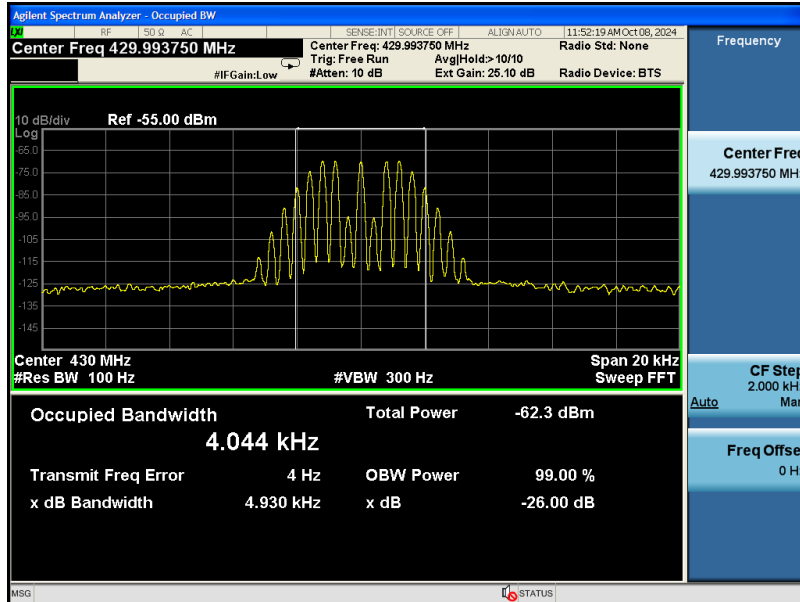


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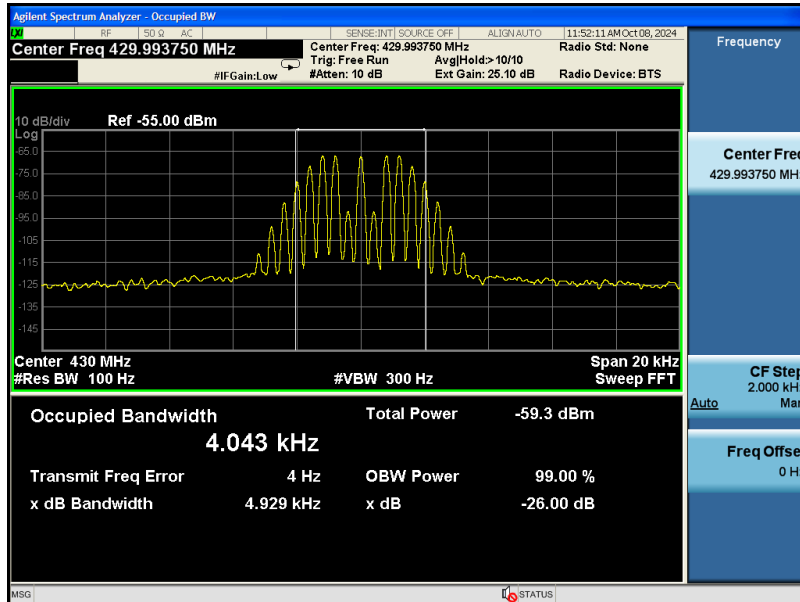
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UL_FM_HCH_Input_Pre-AGC

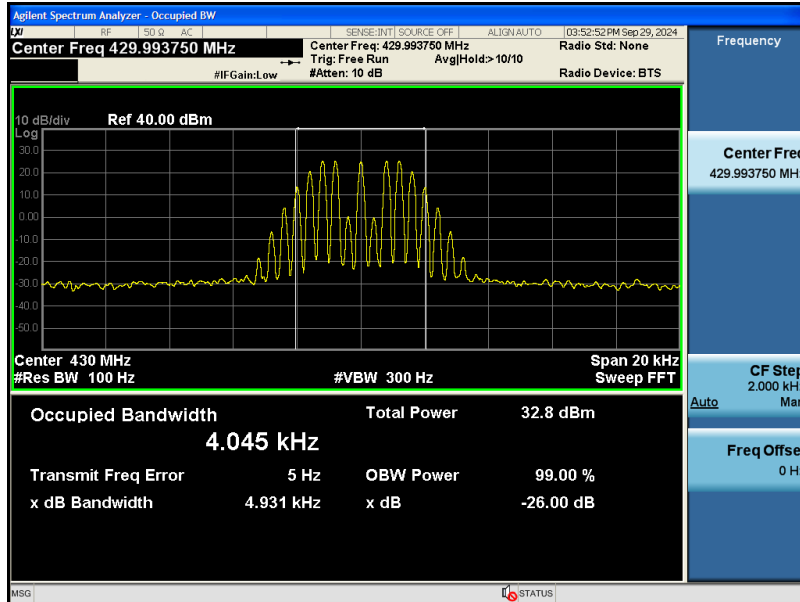


UL_FM_HCH_Input_3dB above AGC

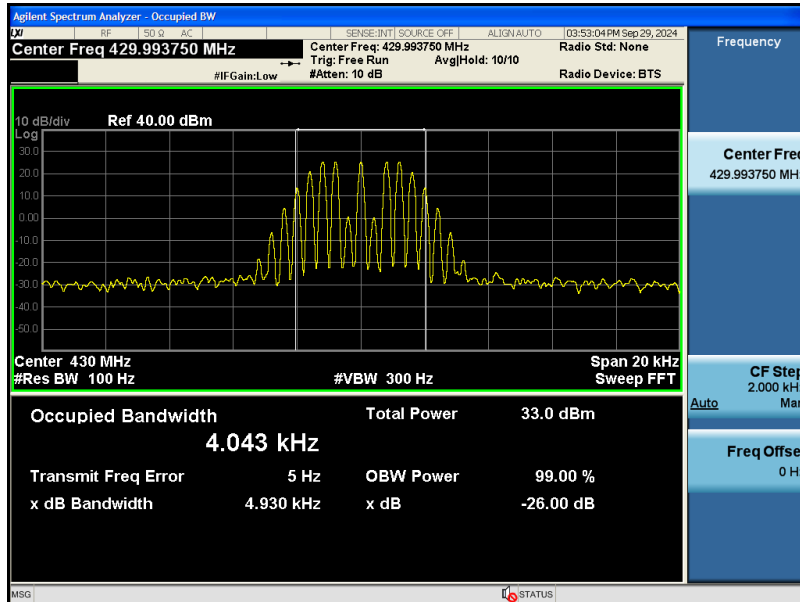


99% OBW

UL_FM_HCH_Output_Pre-AGC

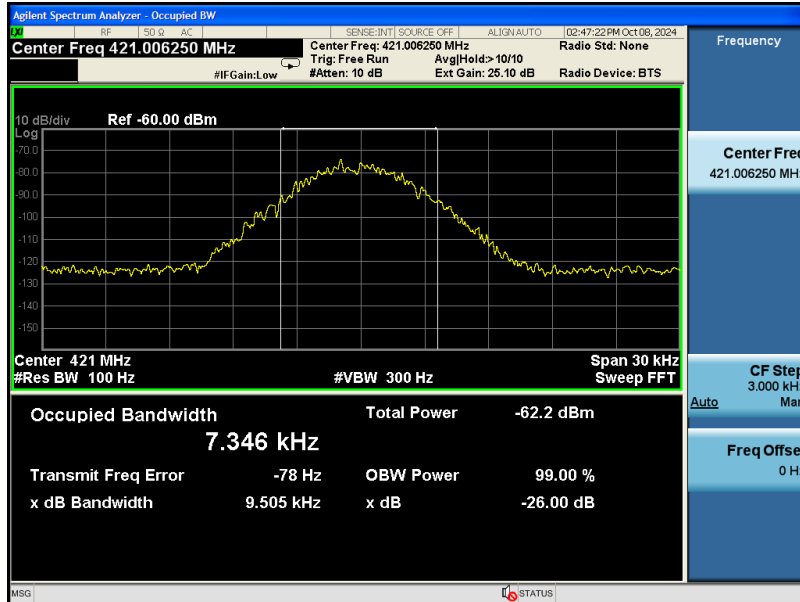


UL_FM_HCH_Output_3dB above AGC

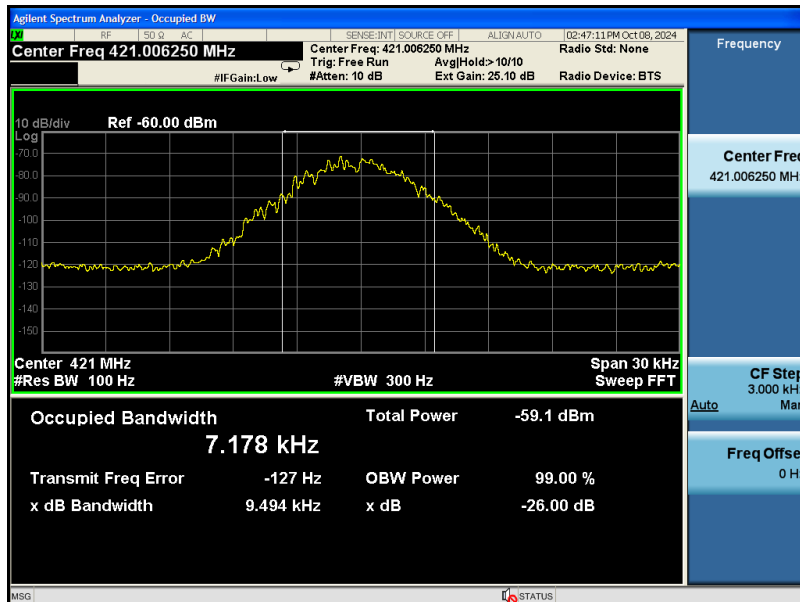


99% OBW

UL_DMR_LCH_Input_Pre-AGC

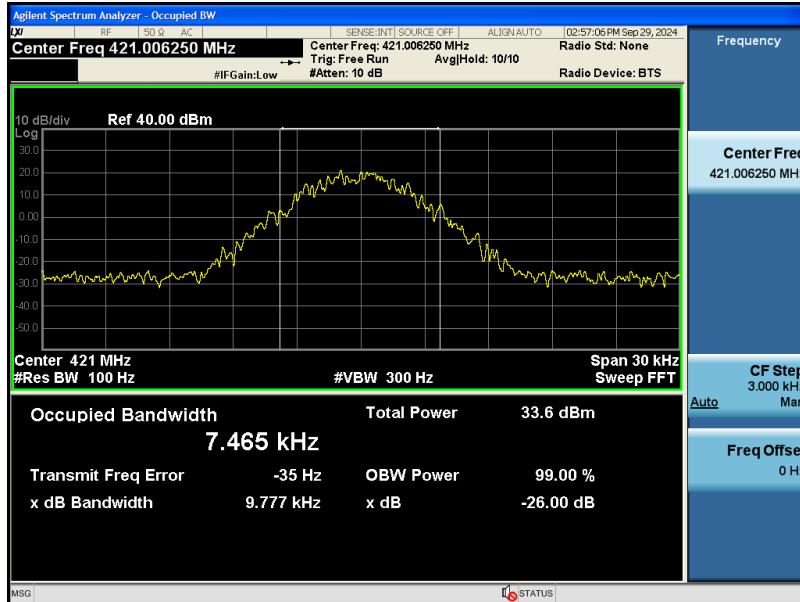


UL_DMR_LCH_Input_3dB above AGC

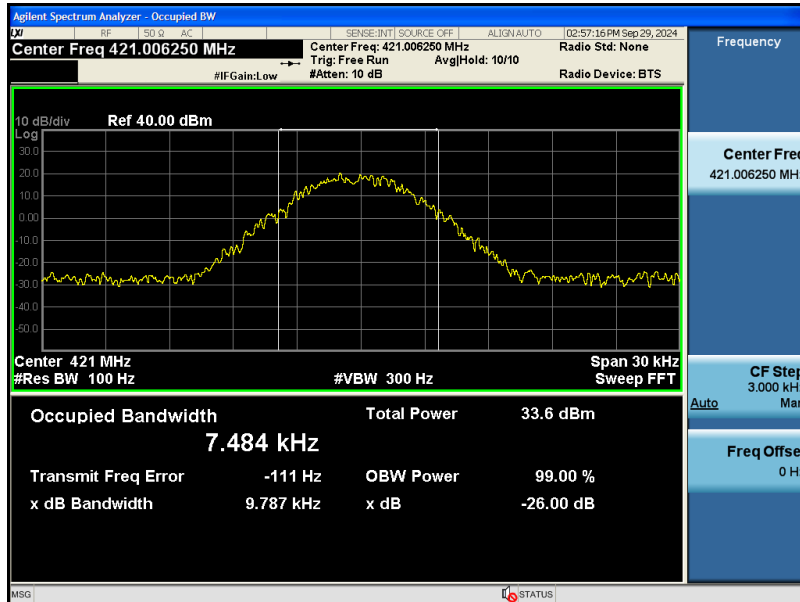


99% OBW

UL_DMR_LCH_Output_Pre-AGC

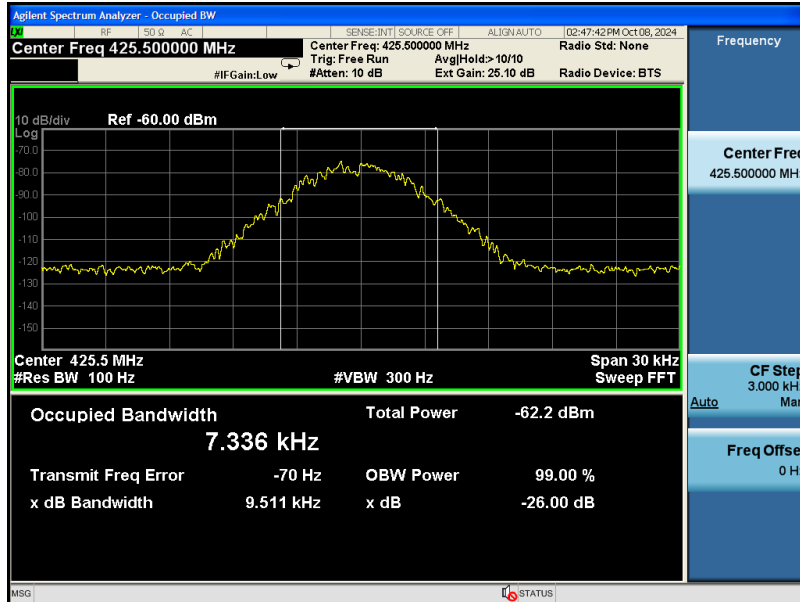


UL_DMR_LCH_Output_3dB above AGC



99% OBW

UL_DMR_MCH_Input_Pre-AGC

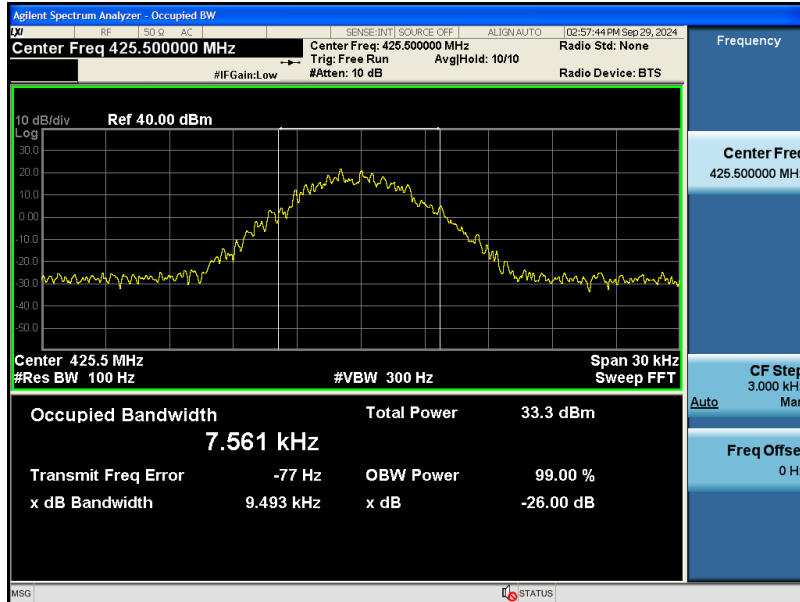


UL_DMR_MCH_Input_3dB above AGC

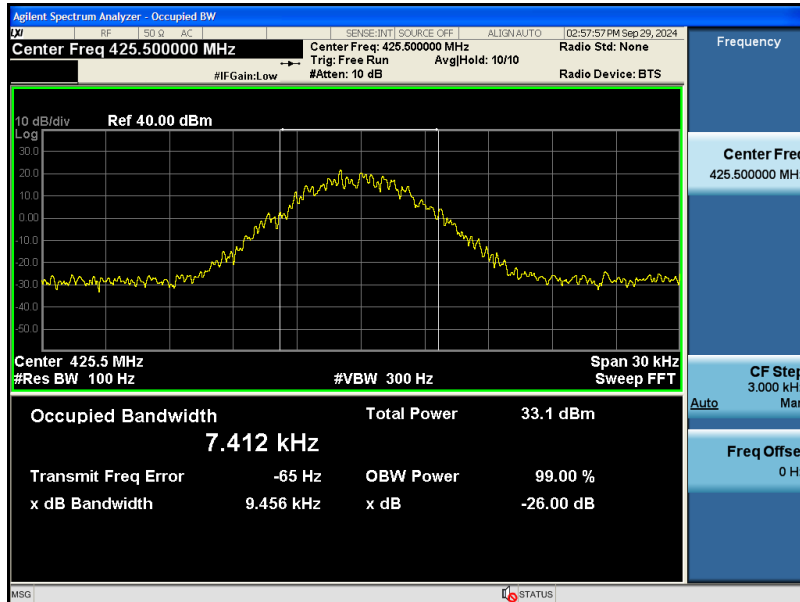


99% OBW

UL_DMR_MCH_Output_Pre-AGC

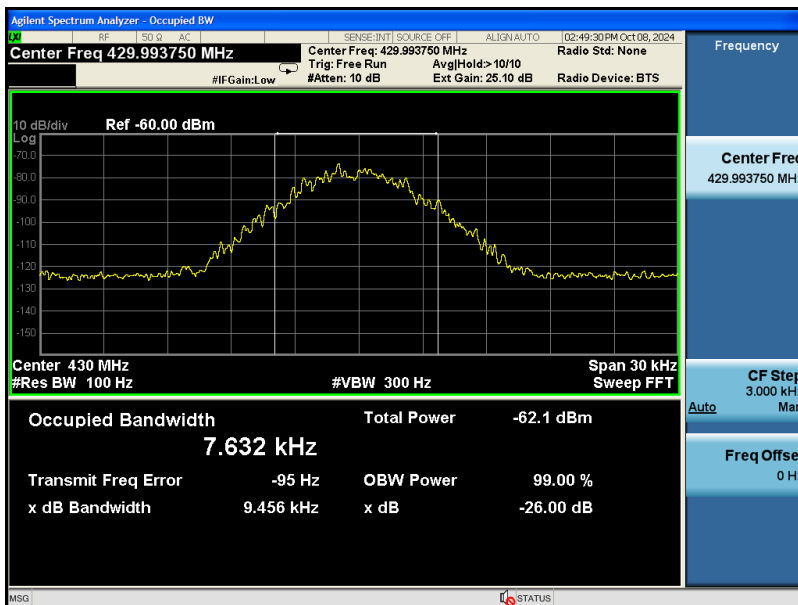


UL_DMR_MCH_Output_3dB above AGC

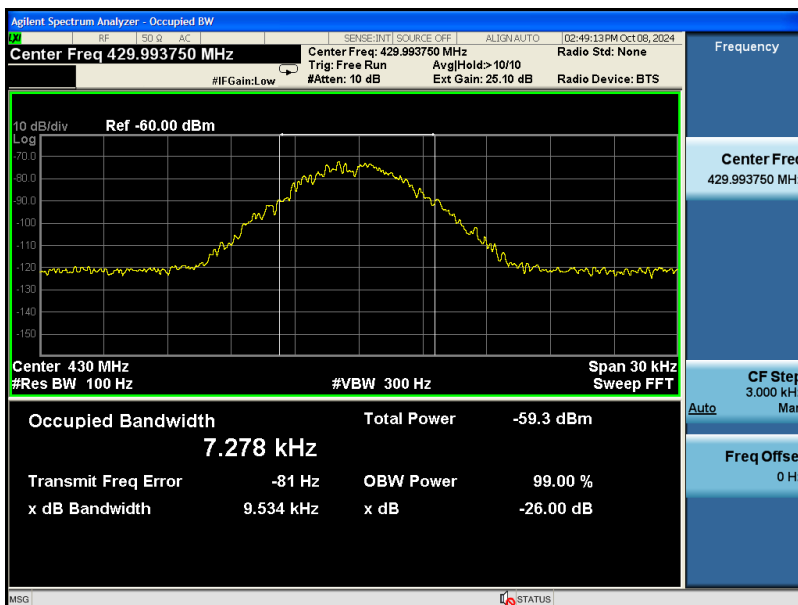


99% OBW

UL_DMR_HCH_Input_Pre-AGC

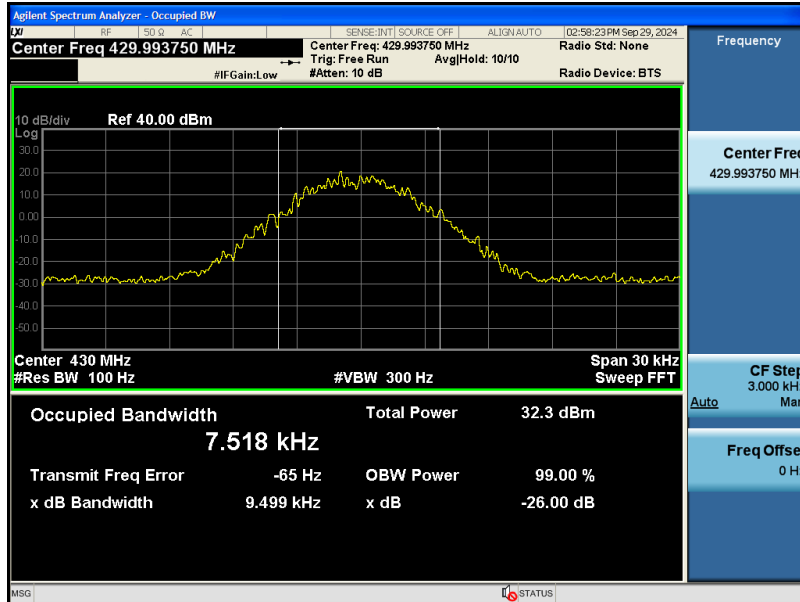


UL_DMR_HCH_Input_3dB above AGC



99% OBW

UL_DMR_HCH_Output_Pre-AGC

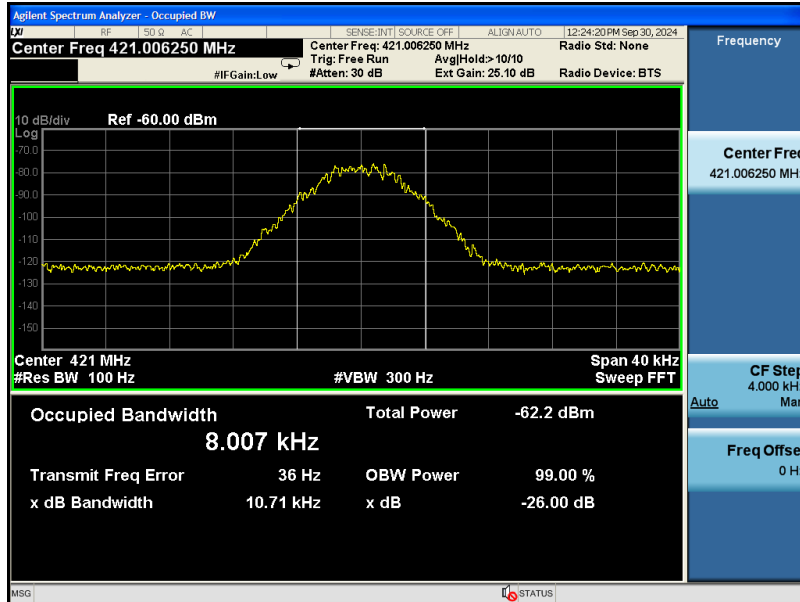


UL_DMR_HCH_Output_3dB above AGC

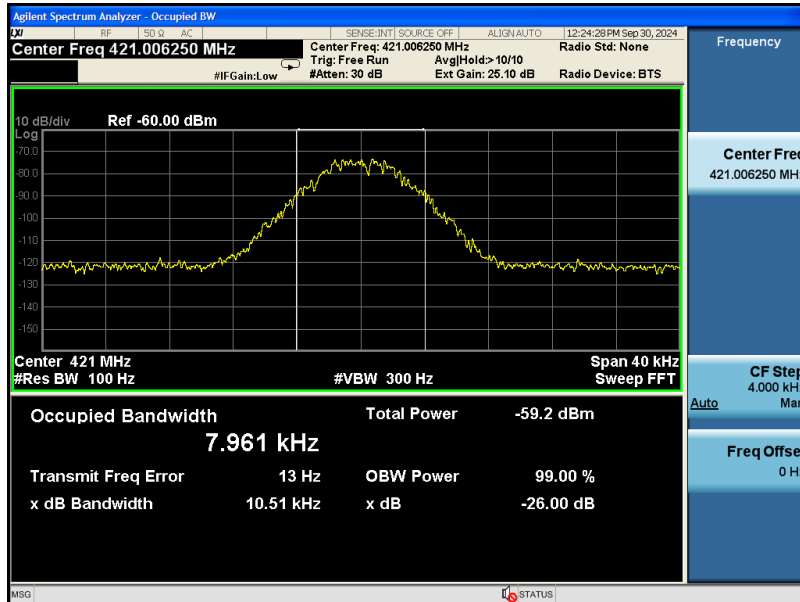


99% OBW

UL_C4FM_LCH_Input_Pre-AGC



UL_C4FM_LCH_Input_3dB above AGC

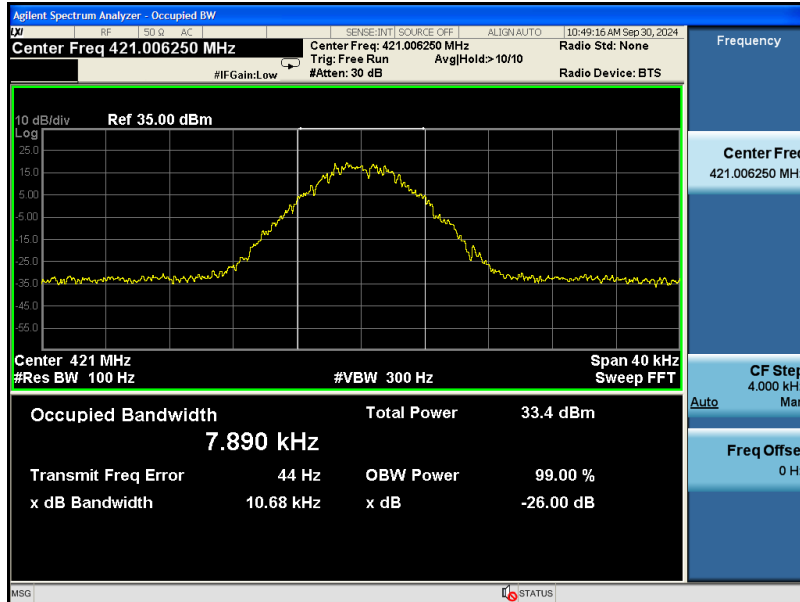


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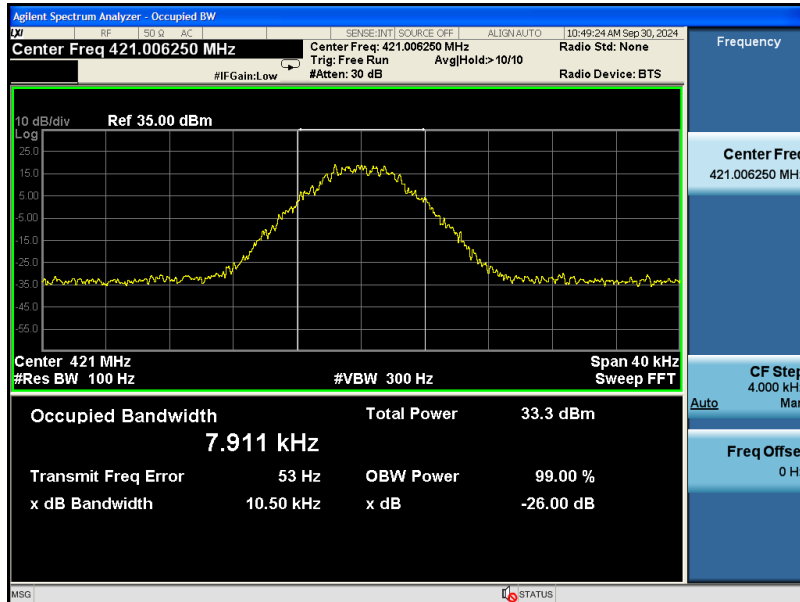
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UL_C4FM_LCH_Output_Pre-AGC

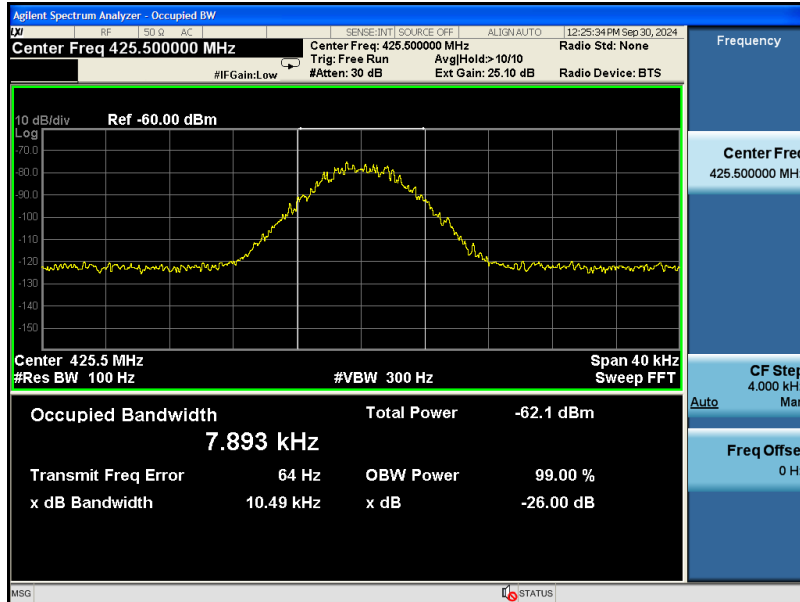


UL_C4FM_LCH_Output_3dB above AGC



99% OBW

UL_C4FM_MCH_Input_Pre-AGC

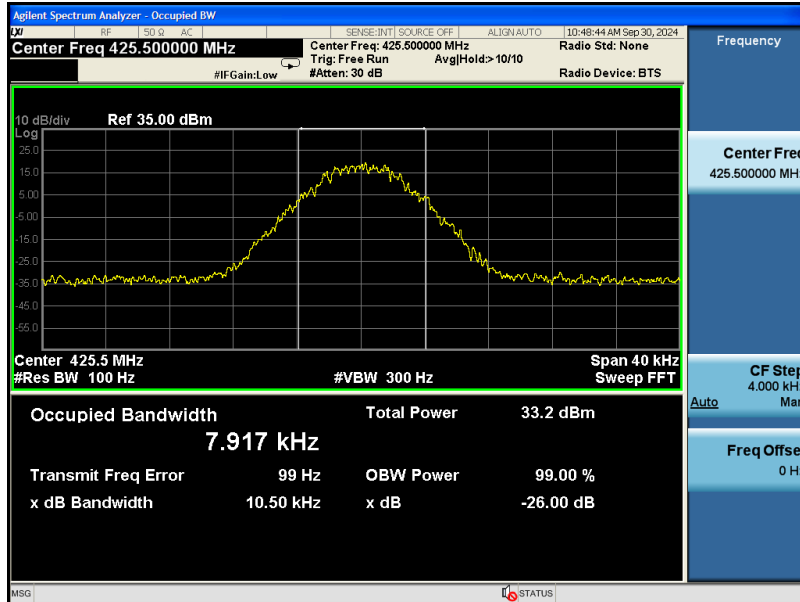


UL_C4FM_MCH_Input_3dB above AGC

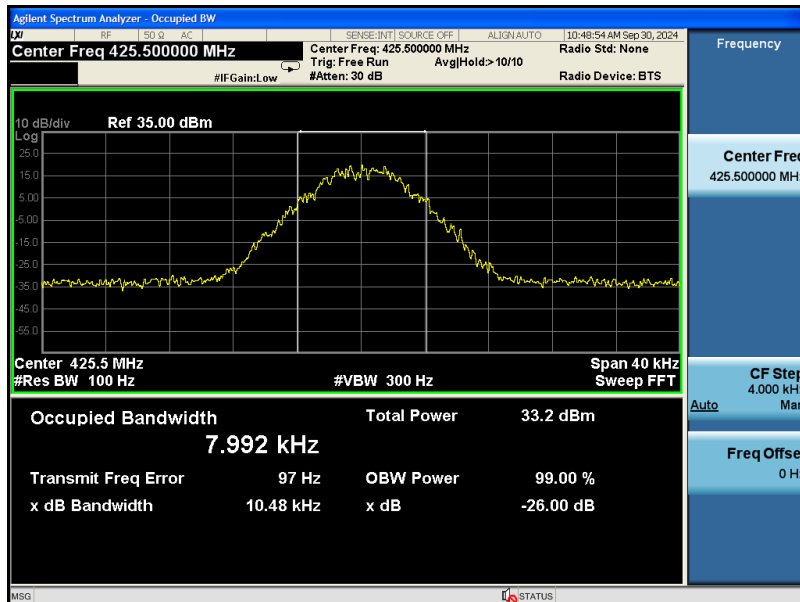


99% OBW

UL_C4FM_MCH_Output_Pre-AGC

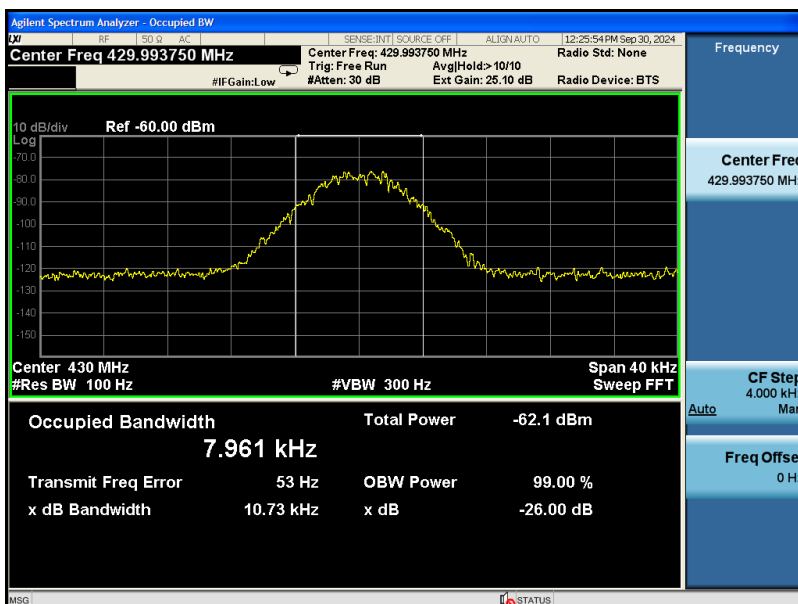


UL_C4FM_MCH_Output_3dB above AGC

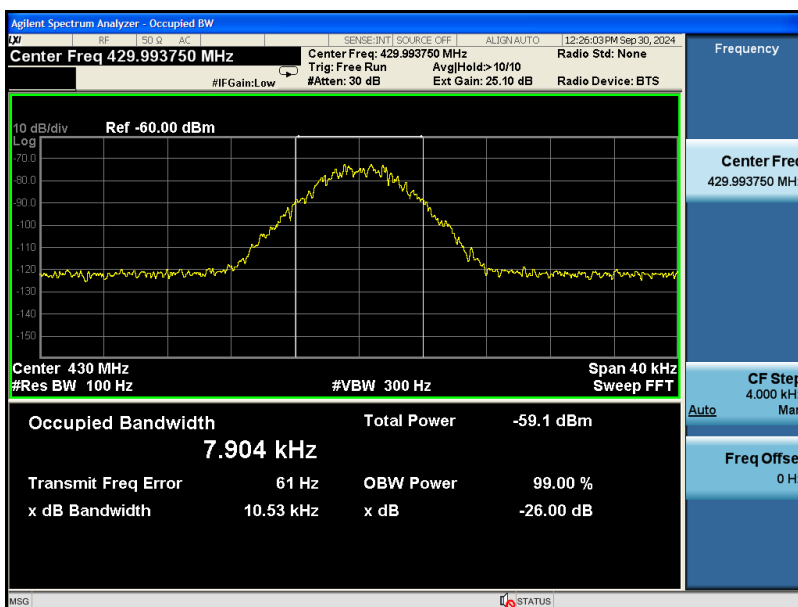


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UL_C4FM_HCH_Input_Pre-AGC

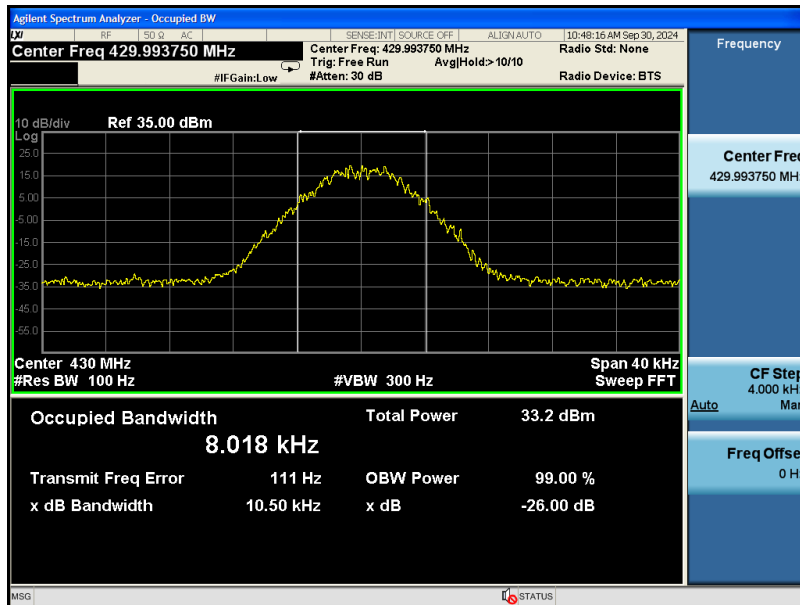


UL_C4FM_HCH_Input_3dB above AGC

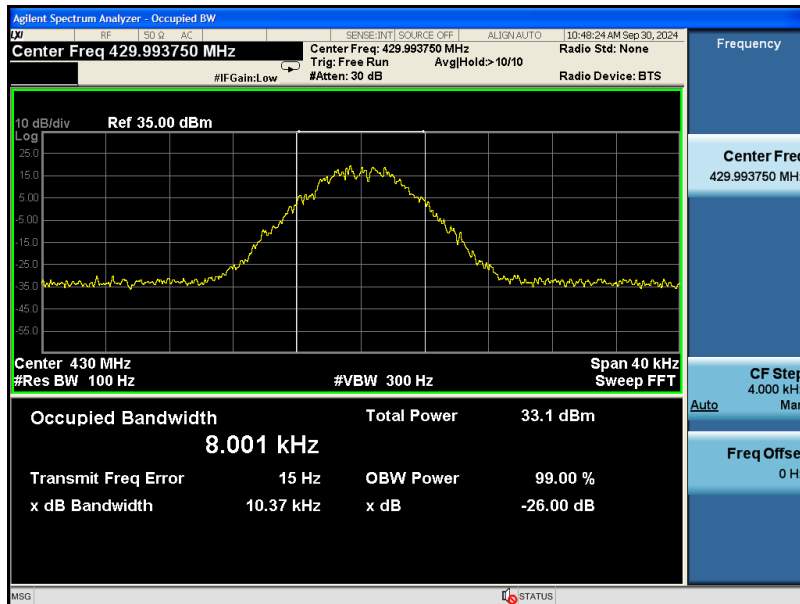


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U_C4FM_HCH_Output_Pre-AGC

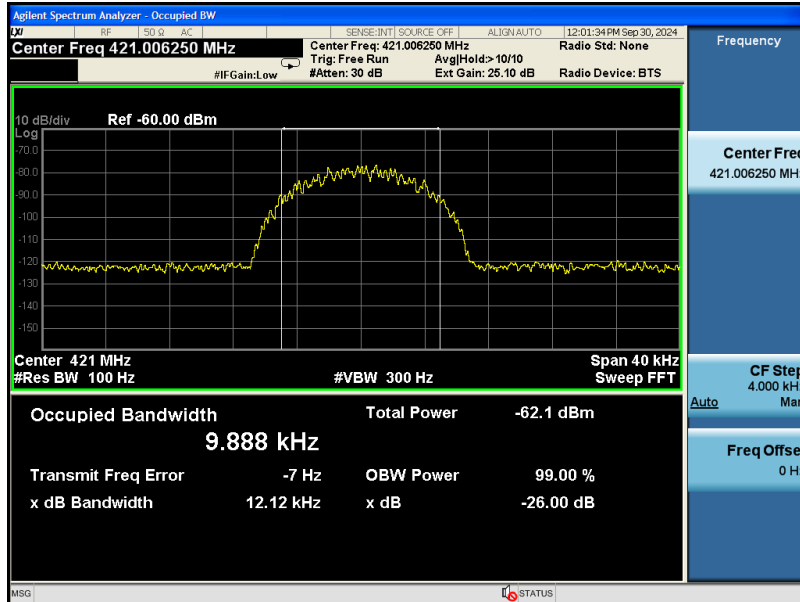


UL_C4FM_HCH_Output_3dB above AGC

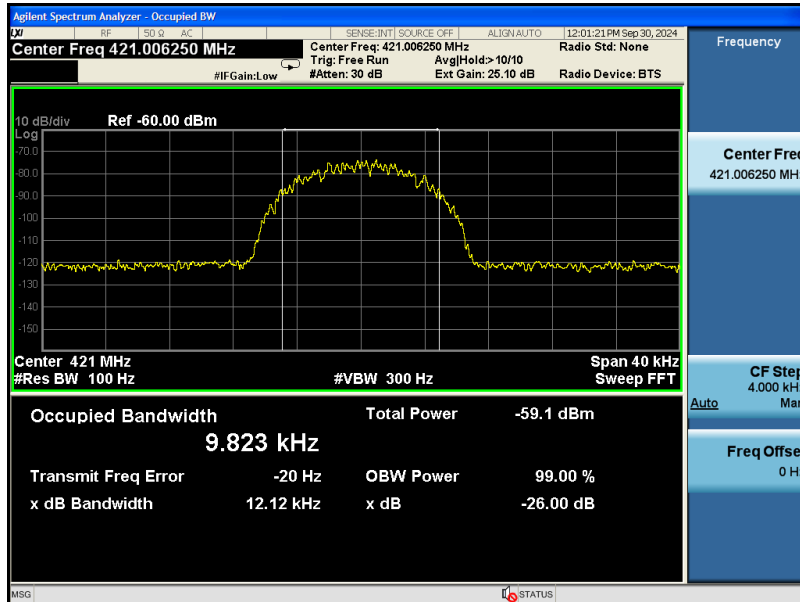


99% OBW

UL_H-DQPSK_LCH_Input_Pre-AGC

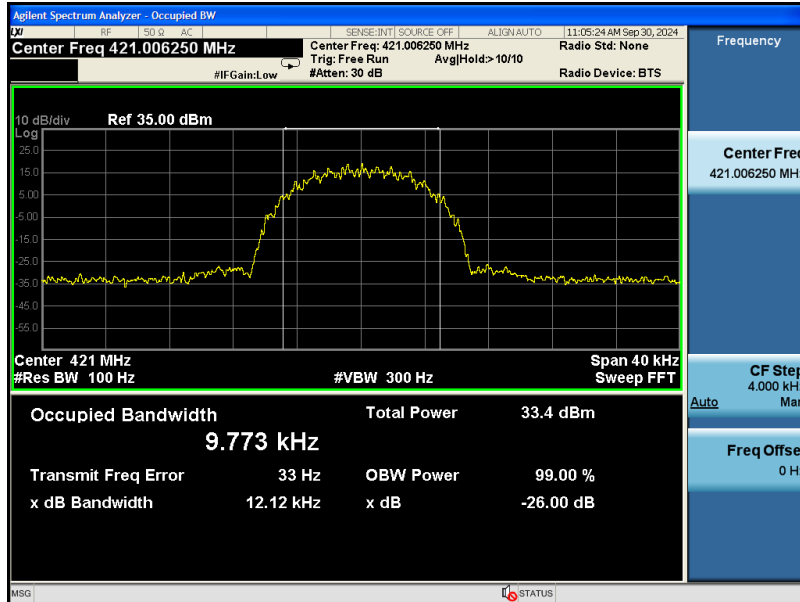


UL_H-DQPSK_LCH_Input_3dB above AGC

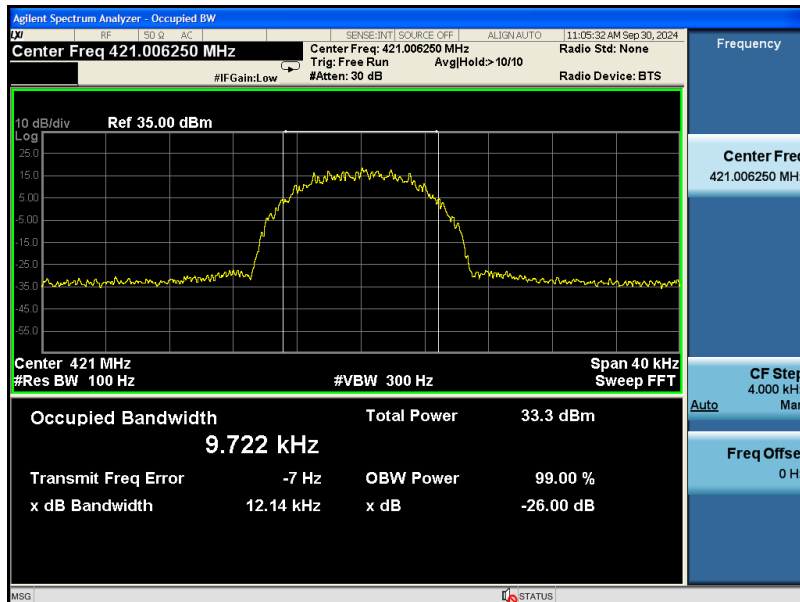


99% OBW

UL_H-DQPSK_LCH_Output_Pre-AGC

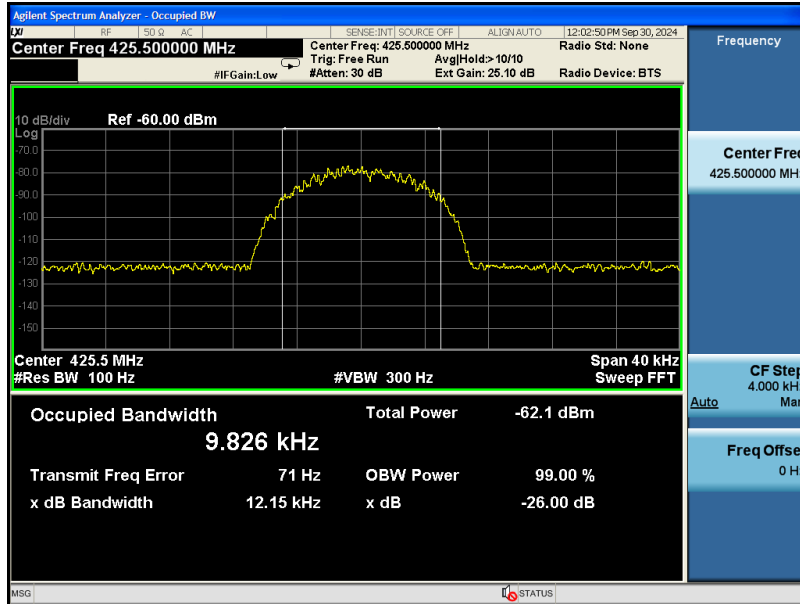


UL_H-DQPSK_LCH_Output_3dB above AGC

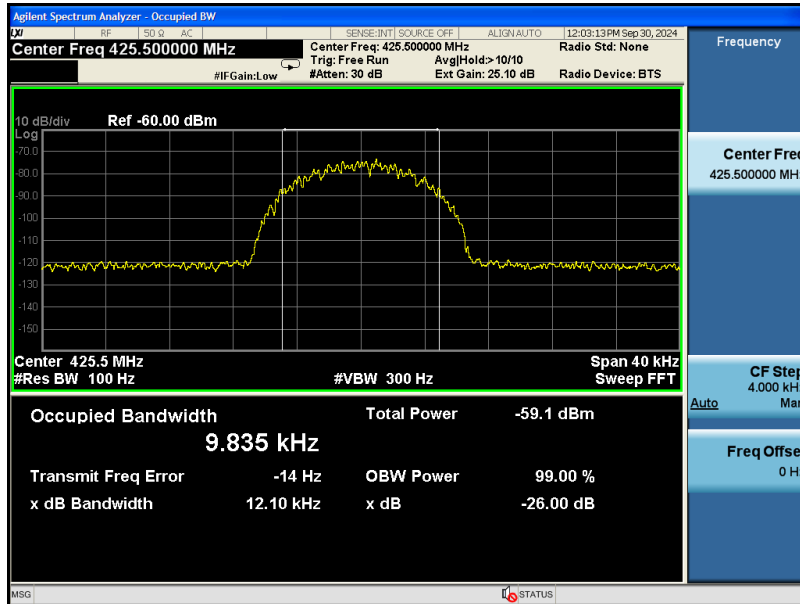


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UL_H-DQPSK_MCH_Input_Pre-AGC

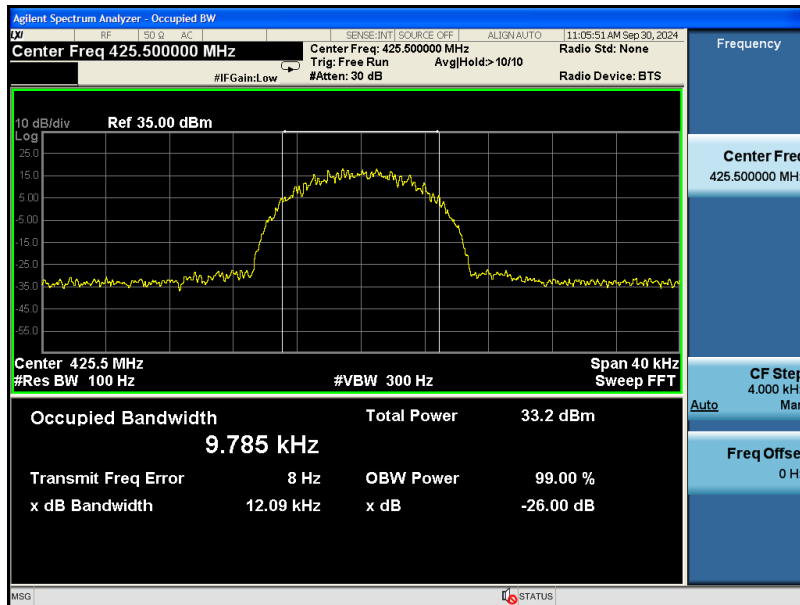


UL_H-DQPSK_MCH_Input_3dB above AGC

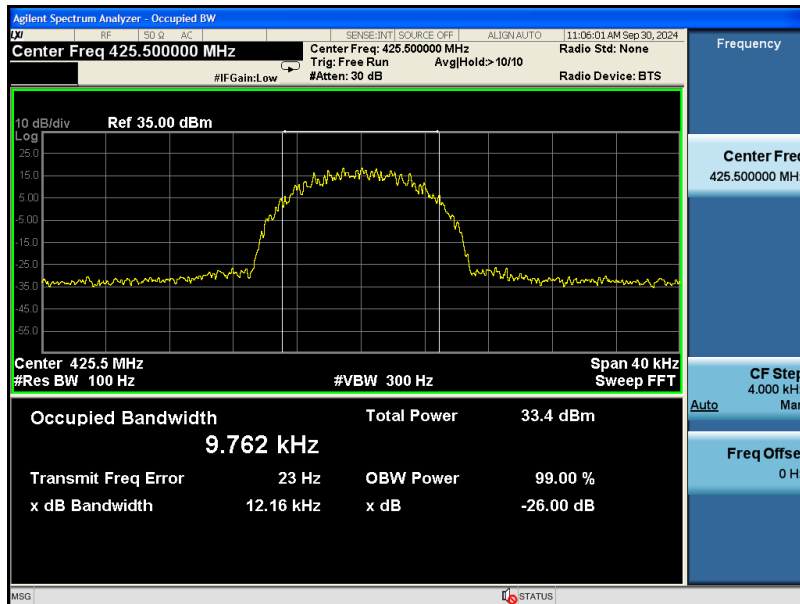


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UL_H-DQPSK_MCH_Output_Pre-AGC



UL_H-DQPSK_MCH_Output_3dB above AGC



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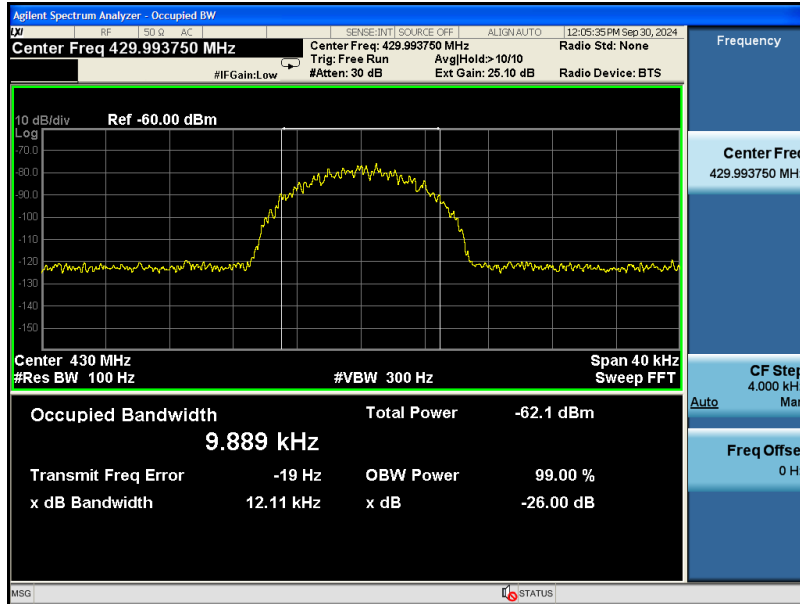
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中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

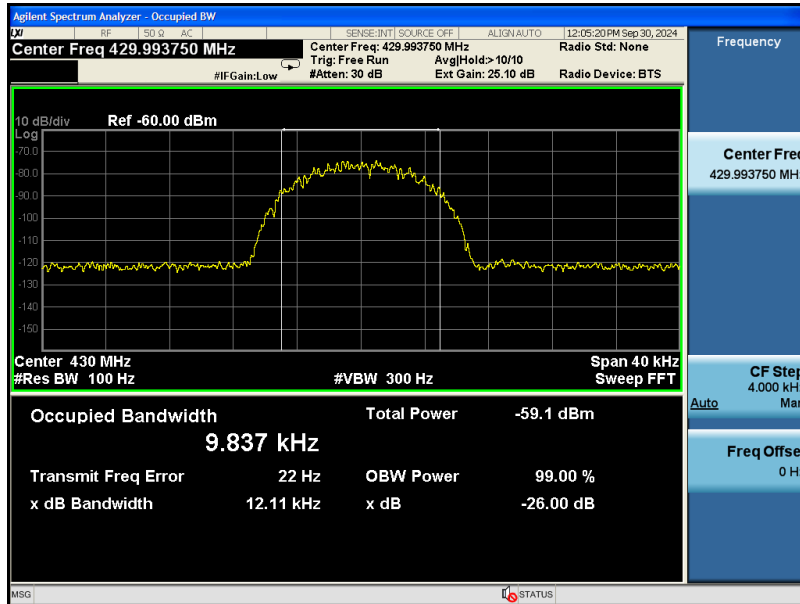
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UL_H-DQPSK_HCH_Input_Pre-AGC

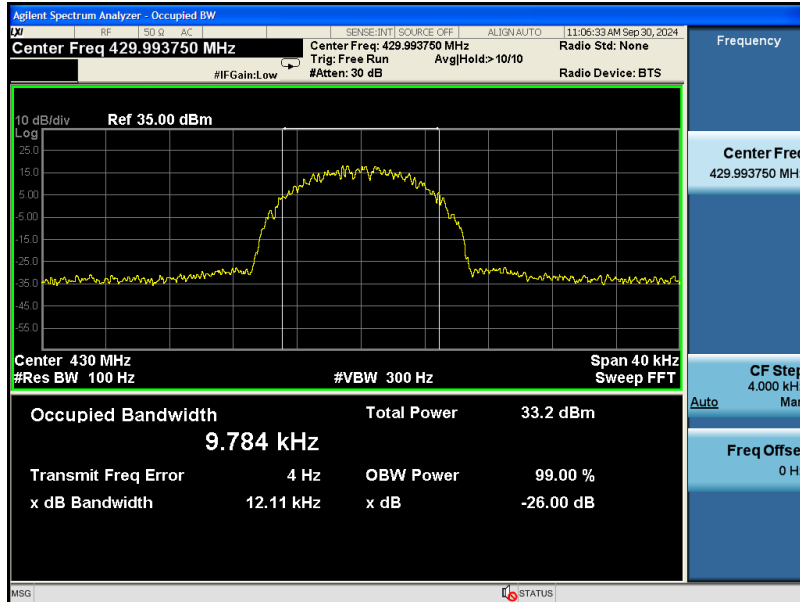


UL_H-DQPSK_HCH_Input_3dB above AGC

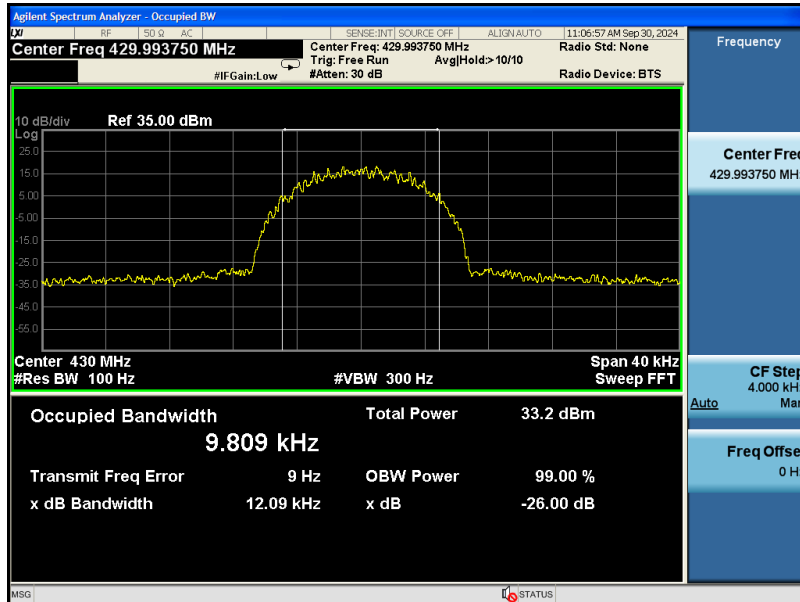


99% OBW

UL_H-DQPSK_HCH_Output_Pre-AGC



UL_H-DQPSK_HCH_Output_3dB above AGC

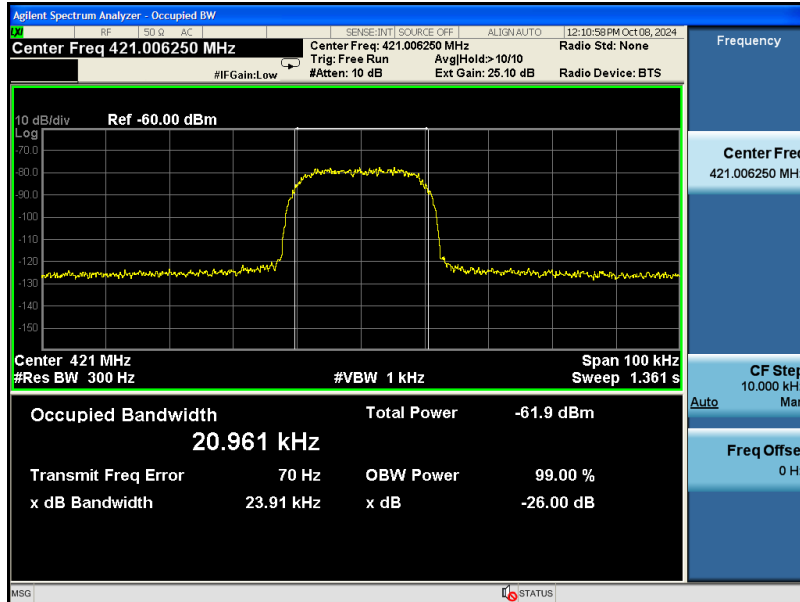


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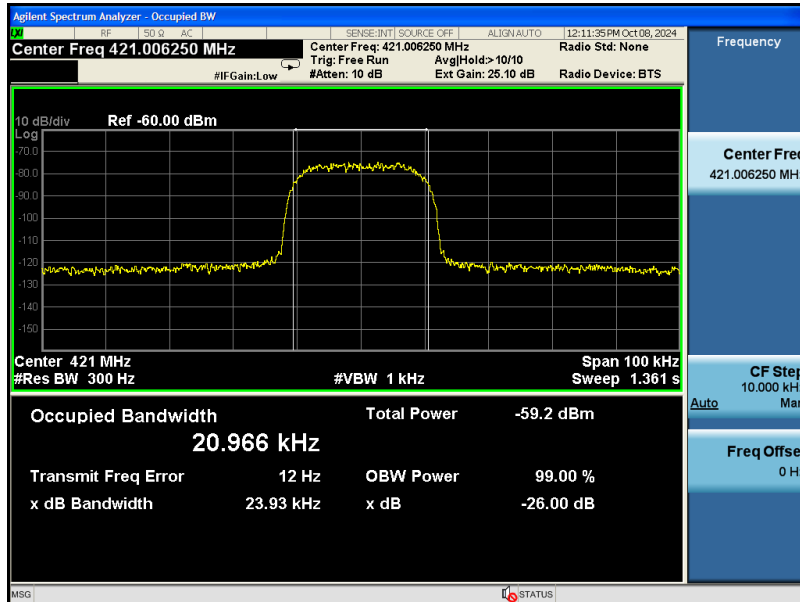
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UL_TETRA_LCH_Input_Pre-AGC

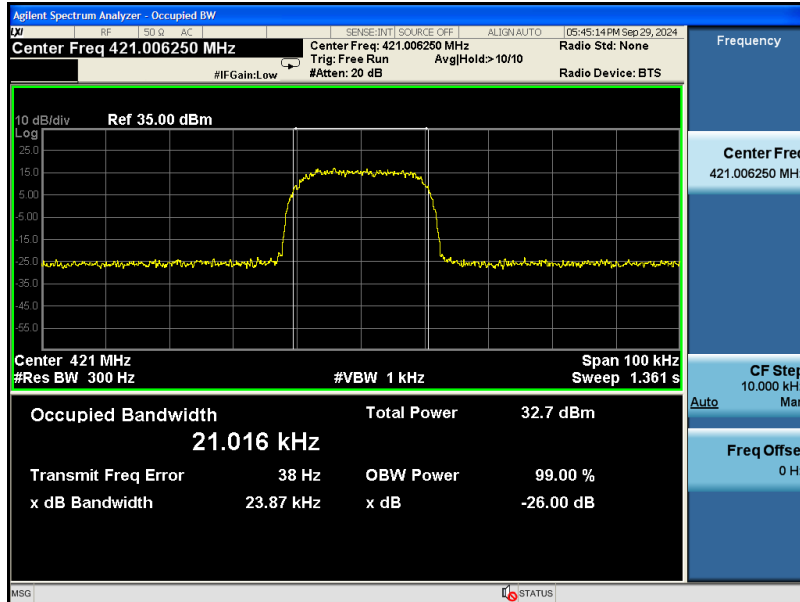


UL_TETRA_LCH_Input_3dB above AGC

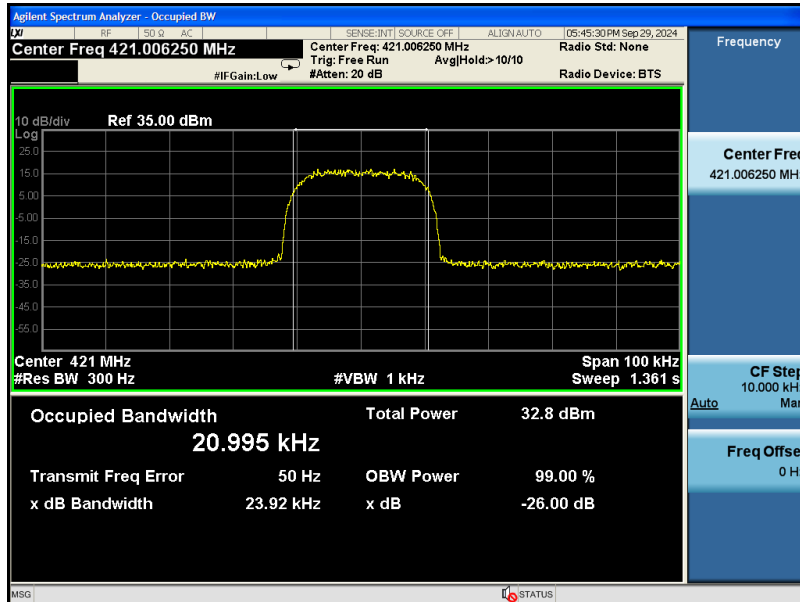


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UL_TETRA_LCH_Output_Pre-AGC

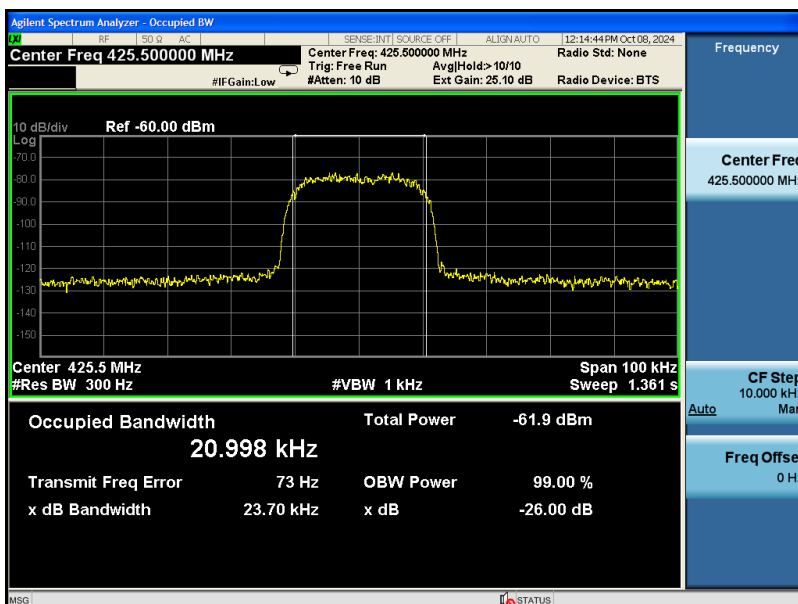


UL_TETRA_LCH_Output_3dB above AGC

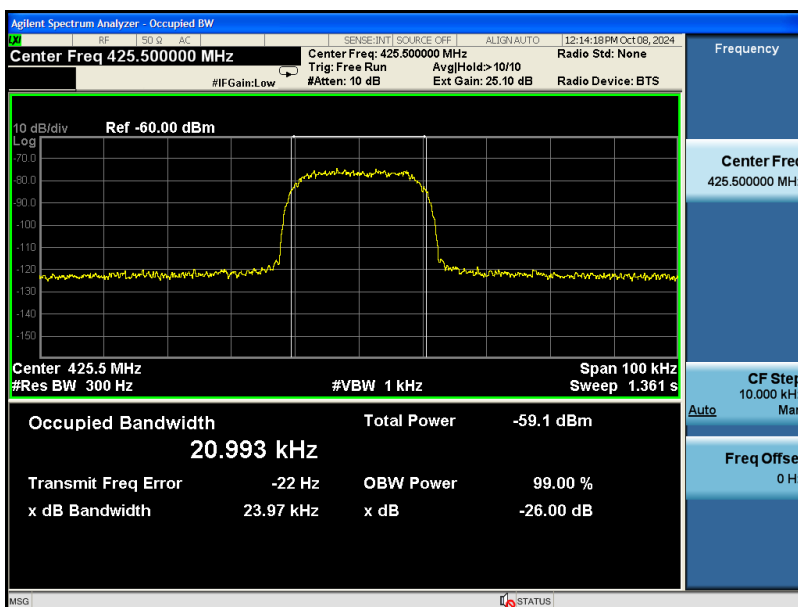


99% OBW

UL_TETRA_MCH_Input_Pre-AGC

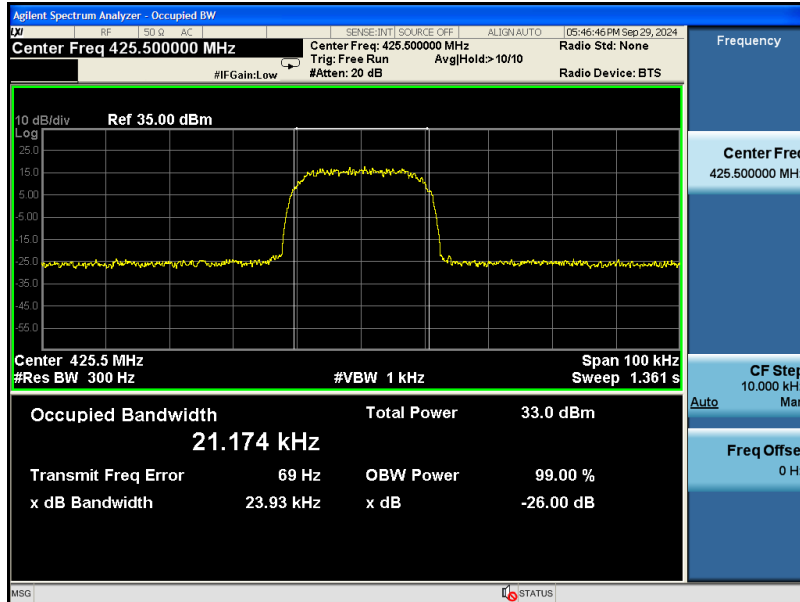


UL_TETRA_MCH_Input_3dB above AGC

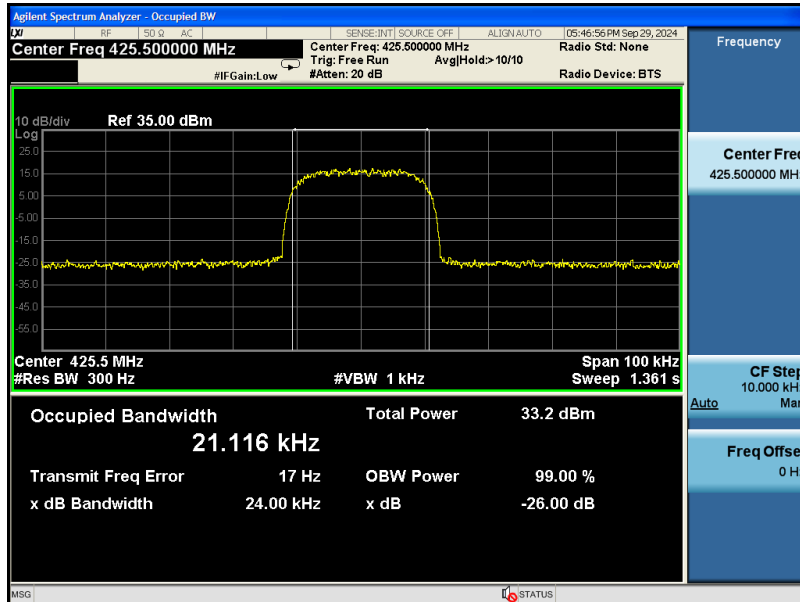


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UL_TETRA_MCH_Output_Pre-AGC

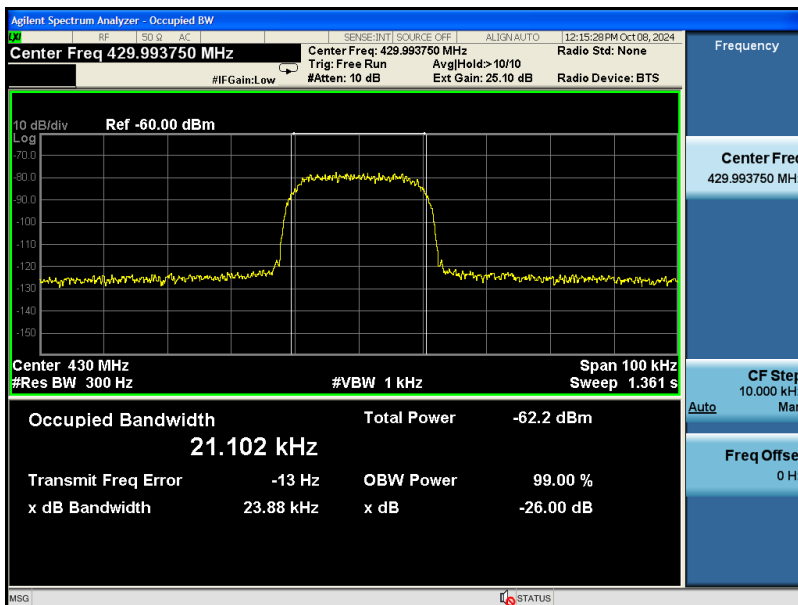


UL_TETRA_MCH_Output_3dB above AGC

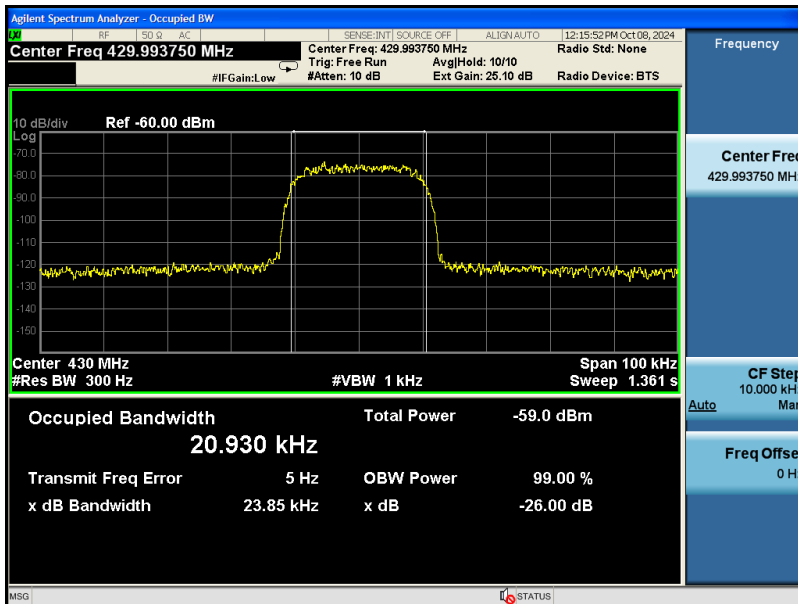


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UL_TETRA_HCH_Input_Pre-AGC

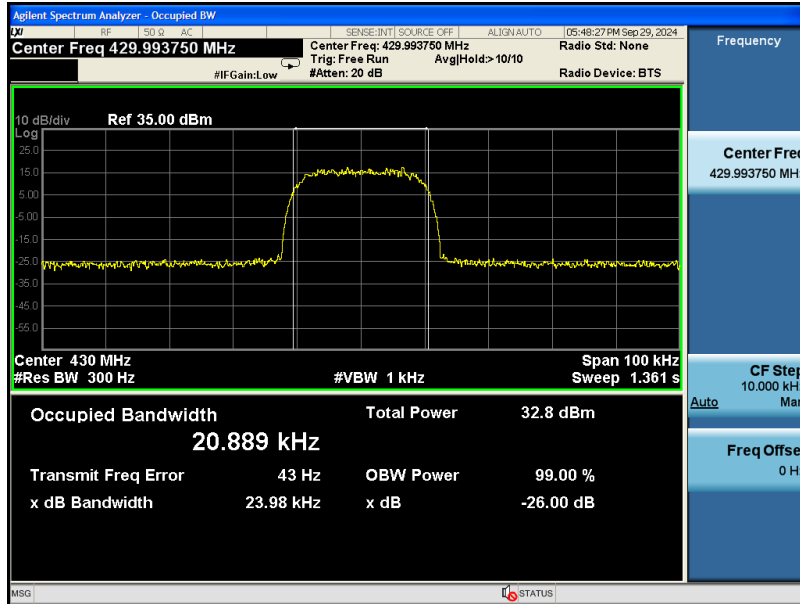


UL_TETRA_HCH_Input_3dB above AGC



99% OBW

UL_TETRA_HCH_Output_Pre-AGC



UL_TETRA_HCH_Output_3dB above AGC

