

Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: In-lane Entry Kiosk

Trade Mark: N/A

Test Model: REEF-US-LKS8343A

Environmental Conditions

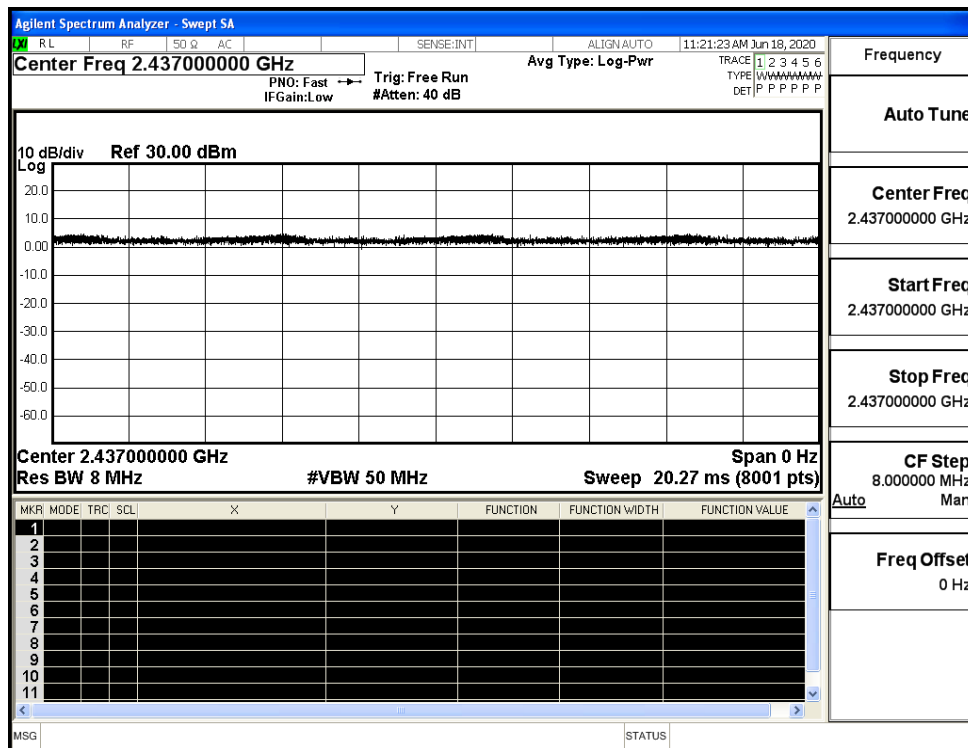
Temperature:	23.5 ° C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	QUXIN
Supervised by:	Li Huan

C.1 Duty Cycle

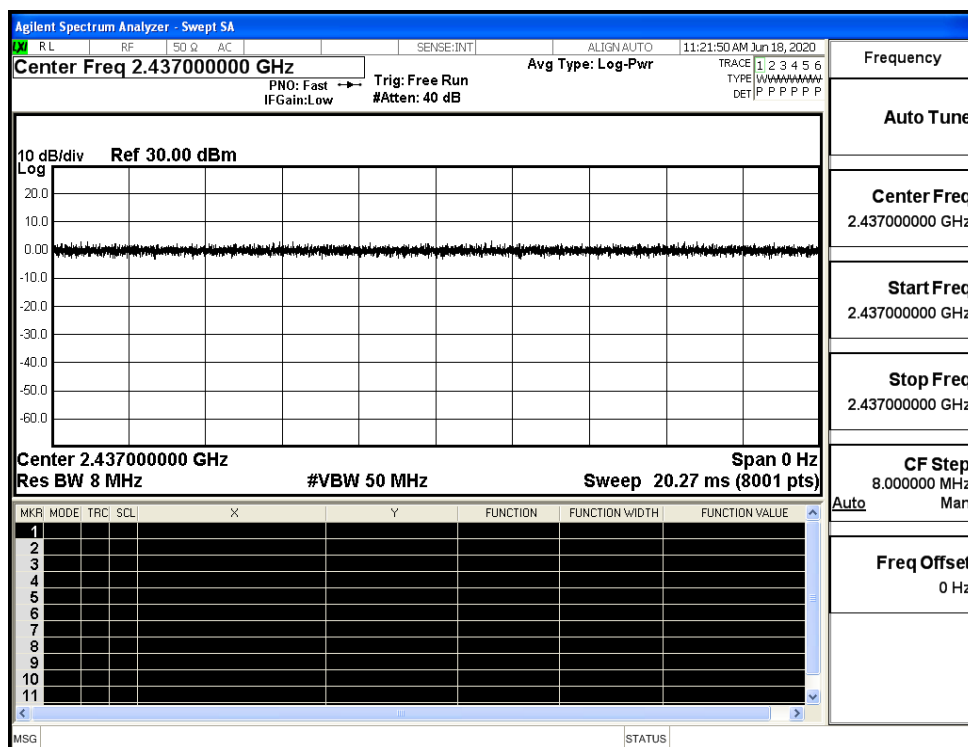
ANT0

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS
11N40SISO	2437	Ant1	100	PASS

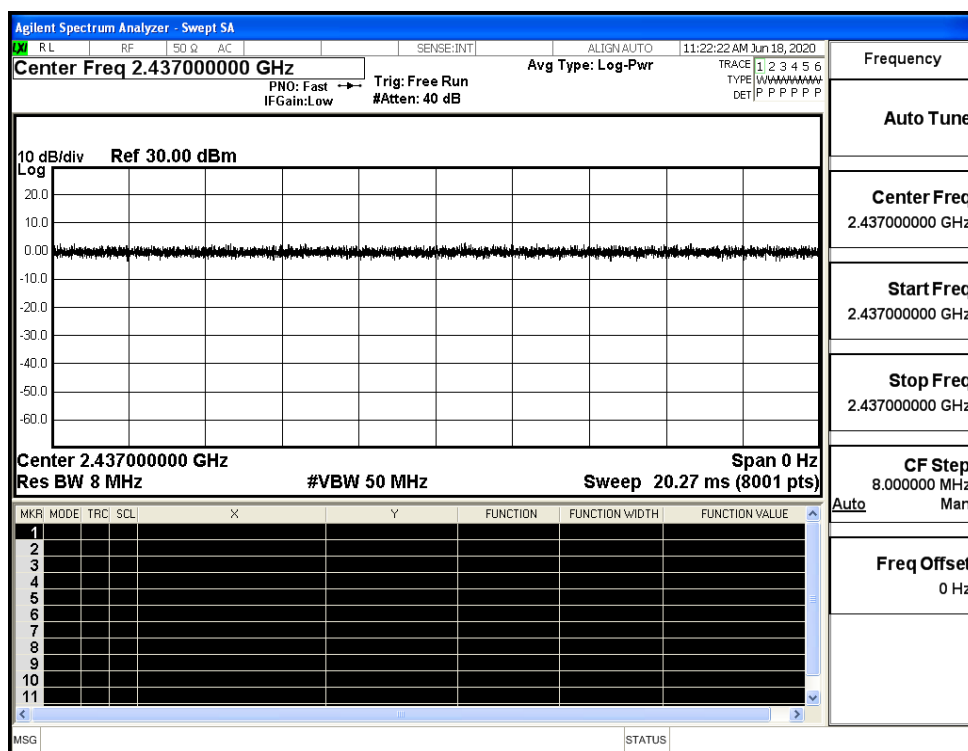
Duty Cycle_11B_2437_Ant1



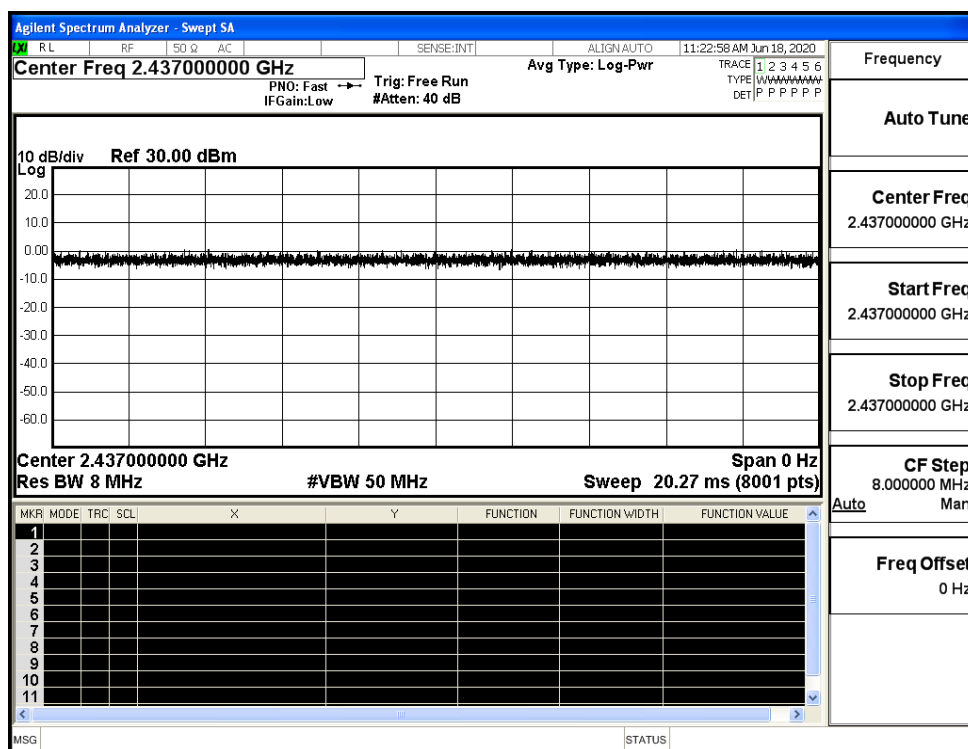
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



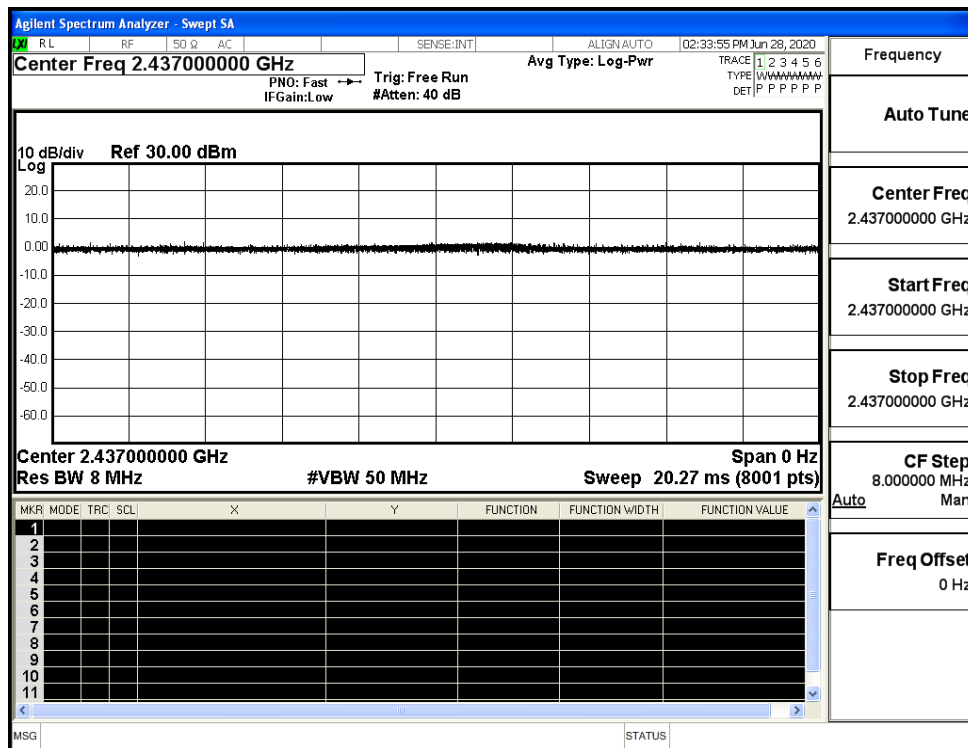
Duty Cycle_11N40SISO_2437_Ant1



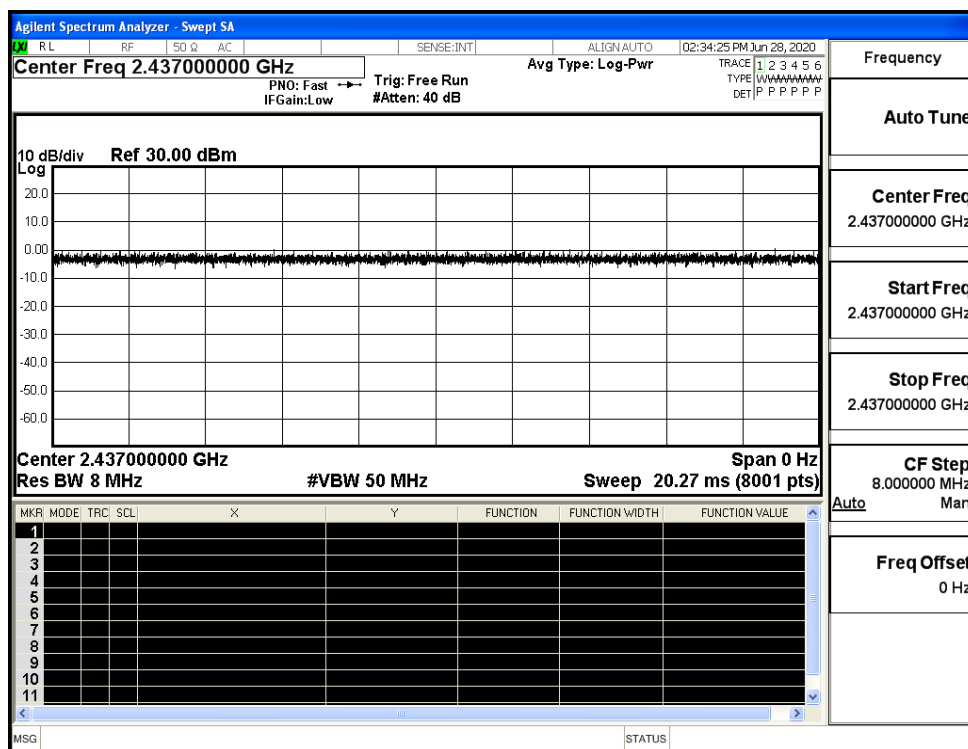
ANT1

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS
11N40SISO	2437	Ant1	100	PASS

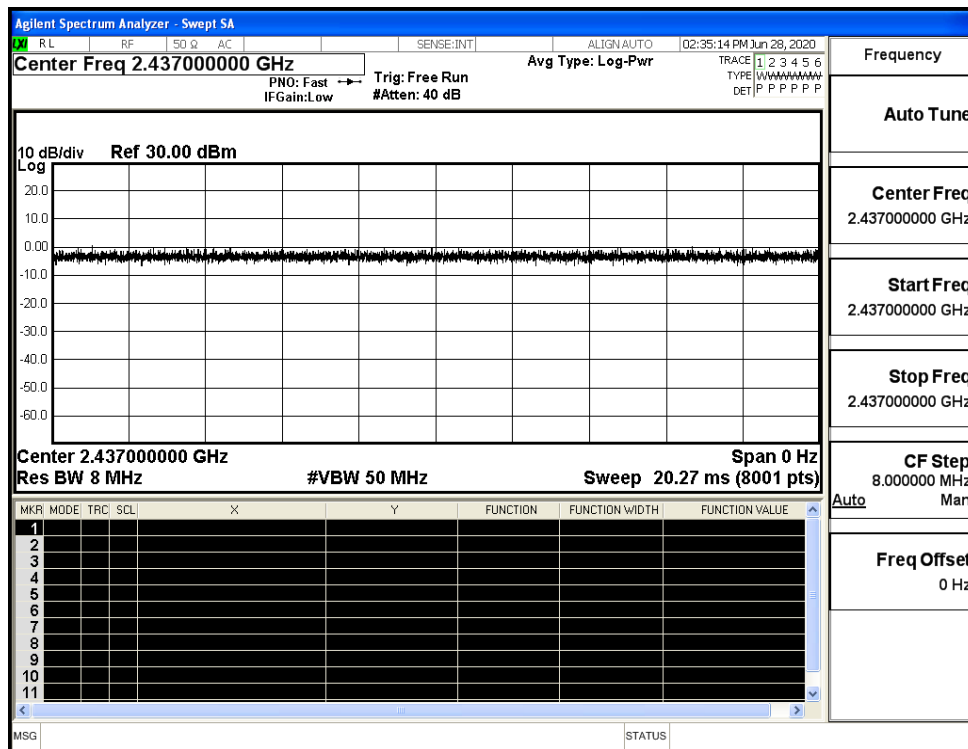
Duty Cycle_11B_2437_Ant1



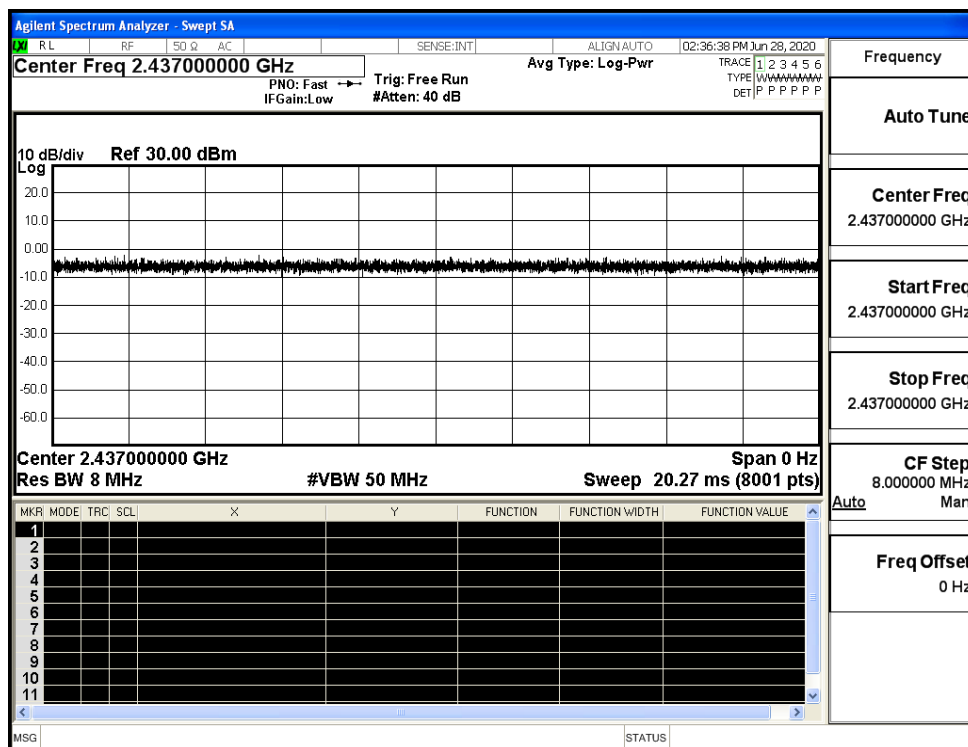
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1



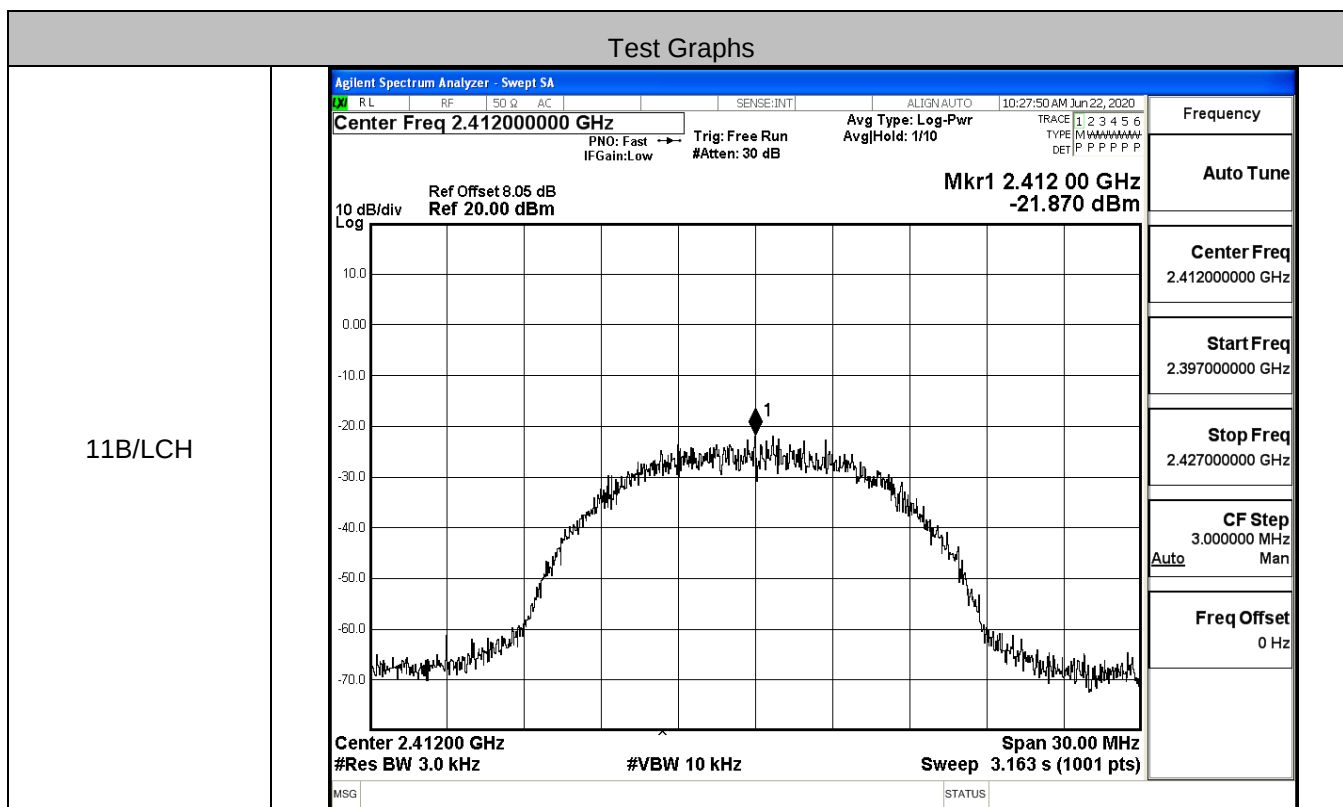
C.2 Maximum Conducted Output Power

Mode	Channel	Meas.Level [dBm]			Limit [dBm]	Verdict
		Ant_0	Ant_1	Sum		
11B	LCH	9.43	11.11	/	30	PASS
	MCH	9.46	11.53	/	30	PASS
	HCH	9.51	11.06	/	30	PASS
11G	LCH	8.54	10.46	/	30	PASS
	MCH	8.62	10.77	/	30	PASS
	HCH	8.76	10.35	/	30	PASS
11N20SISO	LCH	8.45	10.52	12.62	30	PASS
	MCH	8.81	10.92	13.00	30	PASS
	HCH	8.9	10.52	12.80	30	PASS
11N40SISO	LCH	9.11	11.12	13.24	30	PASS
	MCH	9.13	11.39	13.42	30	PASS
	HCH	9.1	11.37	13.39	30	PASS

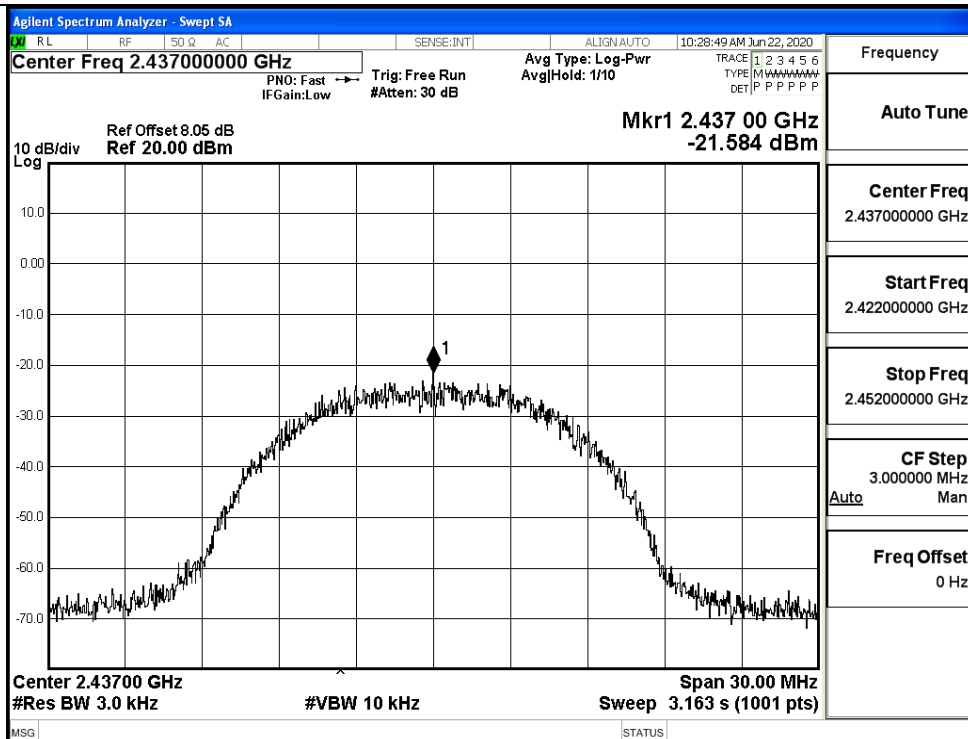
C.3 Maximum Power Spectral Density

Mode	Channel	Meas.Level [dBm/3KHz]			Limit [dBm/3KHz]	Verdict
		Ant_0	Ant_1	Sum		
11B	LCH	-21.870	-18.330	/	8	PASS
	MCH	-21.584	-19.772	/	8	PASS
	HCH	-19.333	-20.638	/	8	PASS
11G	LCH	-27.889	-26.248	/	8	PASS
	MCH	-27.271	-24.790	/	8	PASS
	HCH	-27.595	-25.973	/	8	PASS
11N20SISO	LCH	-25.582	-24.752	-22.14	8	PASS
	MCH	-26.492	-24.968	-22.65	8	PASS
	HCH	-27.721	-22.600	-21.44	8	PASS
11N40SISO	LCH	-27.412	-24.174	-22.49	8	PASS
	MCH	-27.242	-25.671	-23.38	8	PASS
	HCH	-29.955	-25.119	-23.89	8	PASS

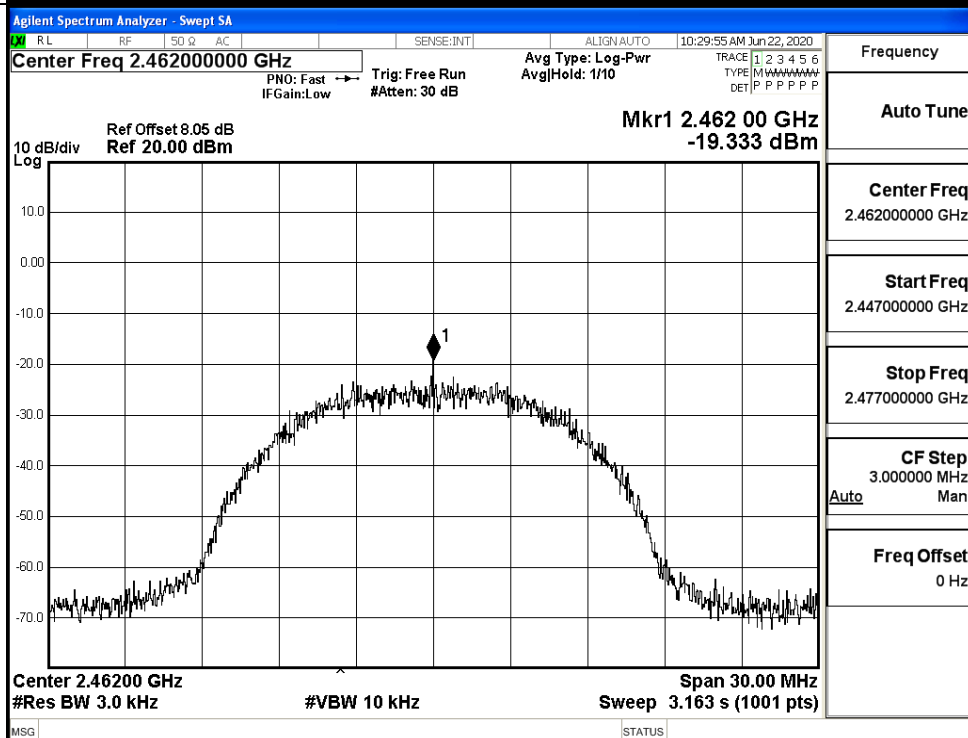
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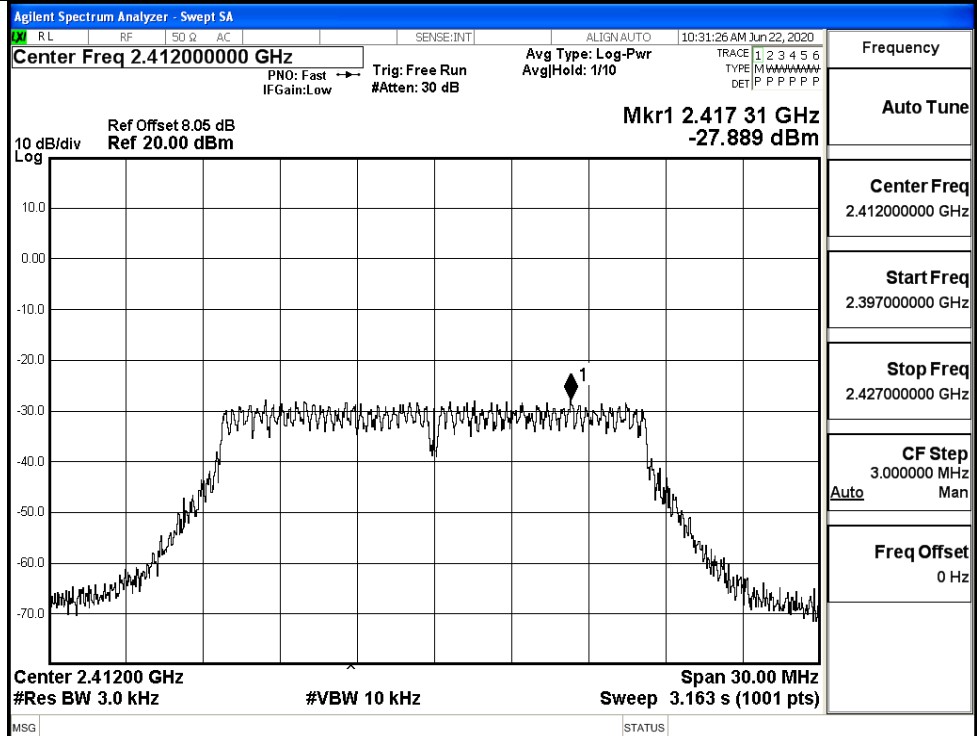
11B/MCH



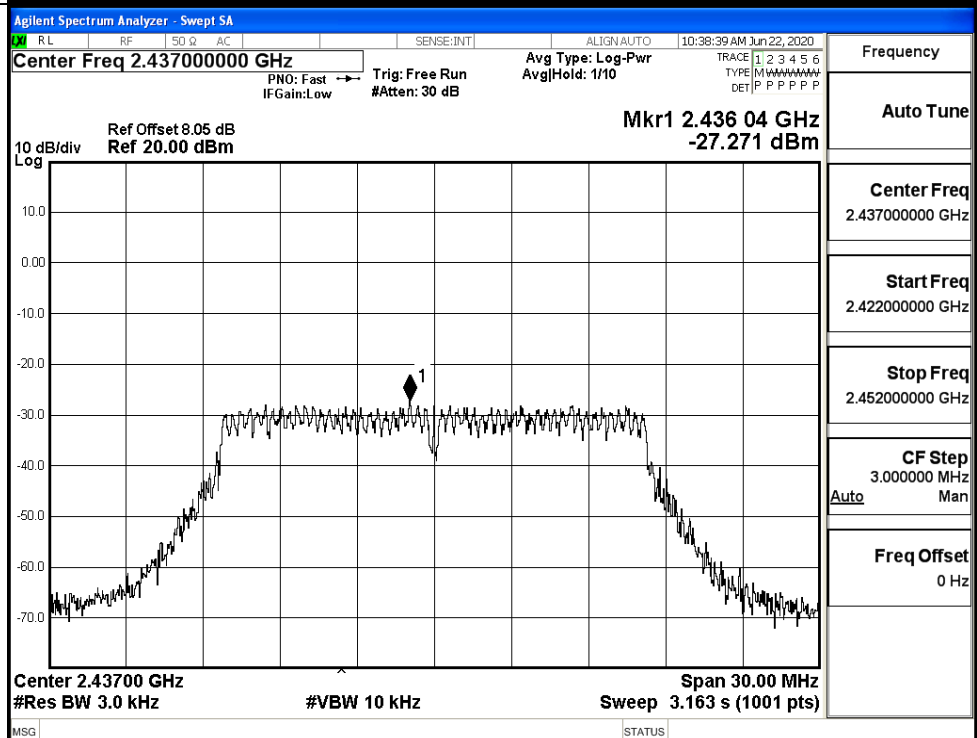
11B/HCH



11G/LCH

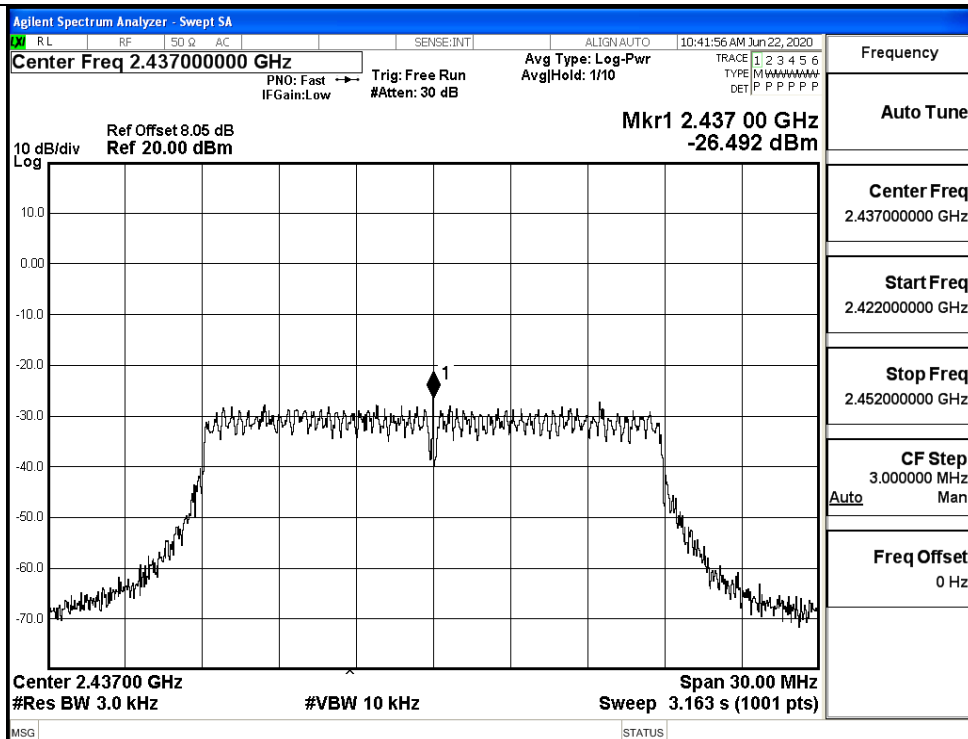


11G/MCH

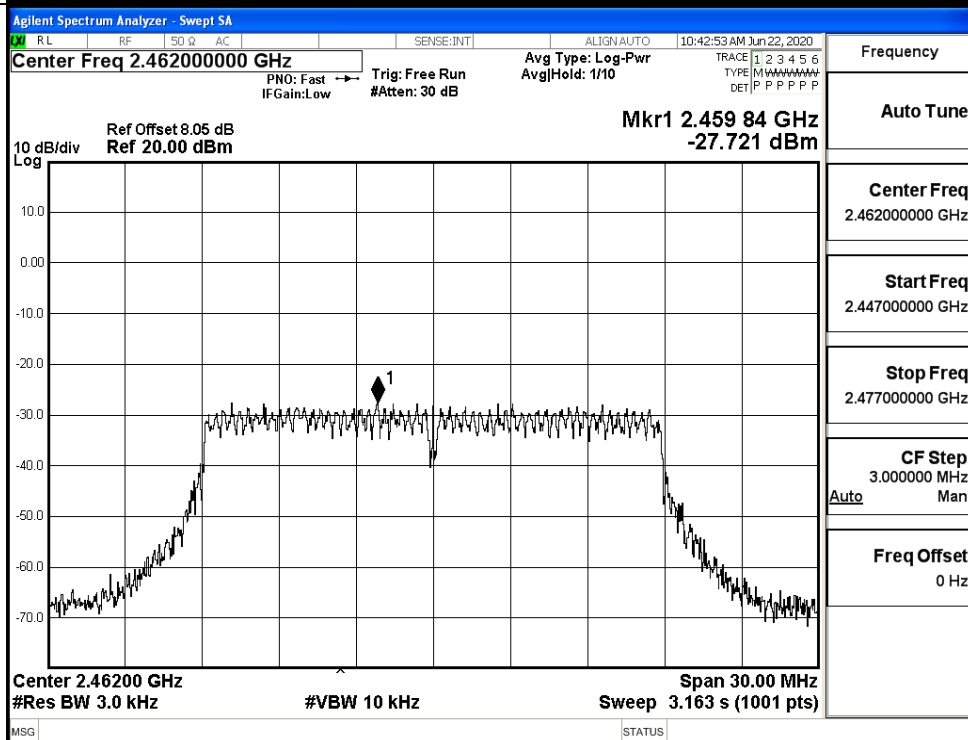


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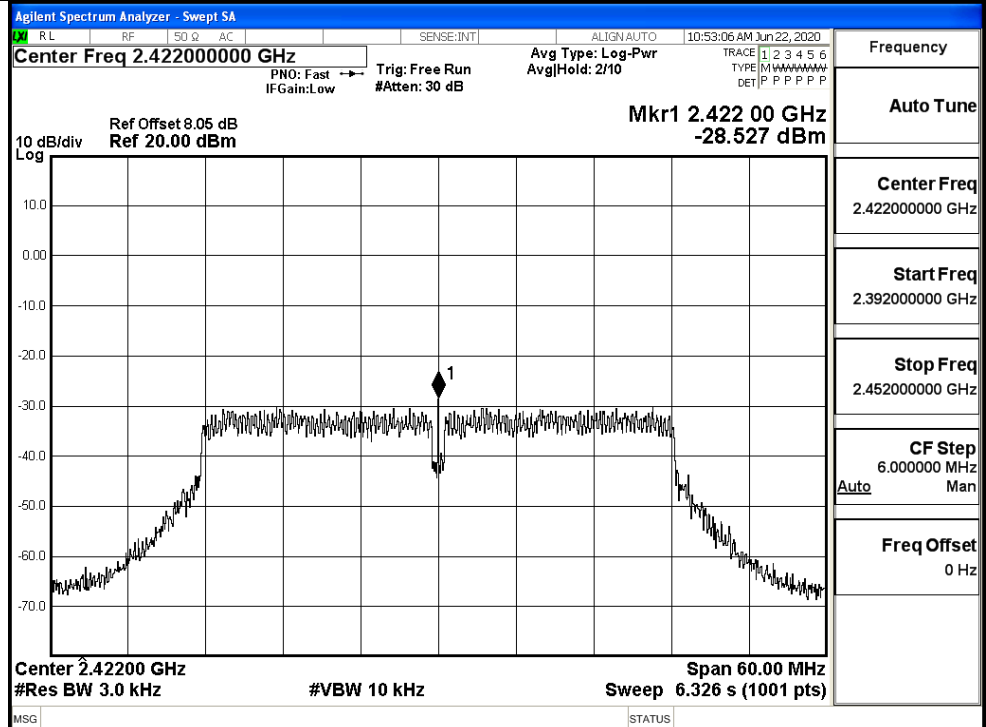
11N20SISO/MCH



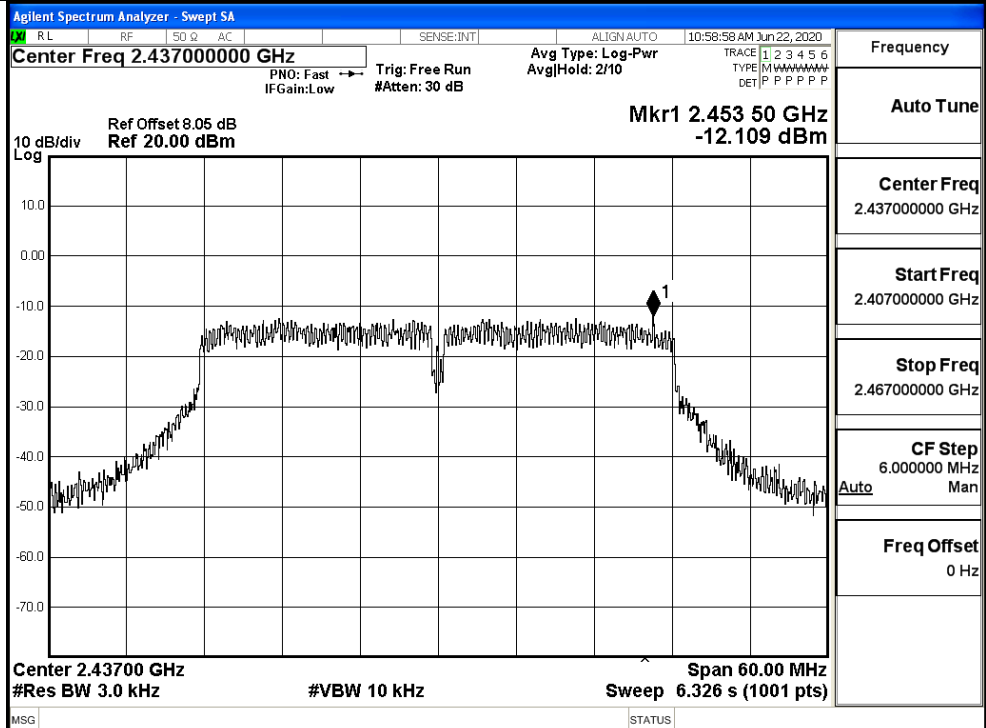
11N20SISO/HCH



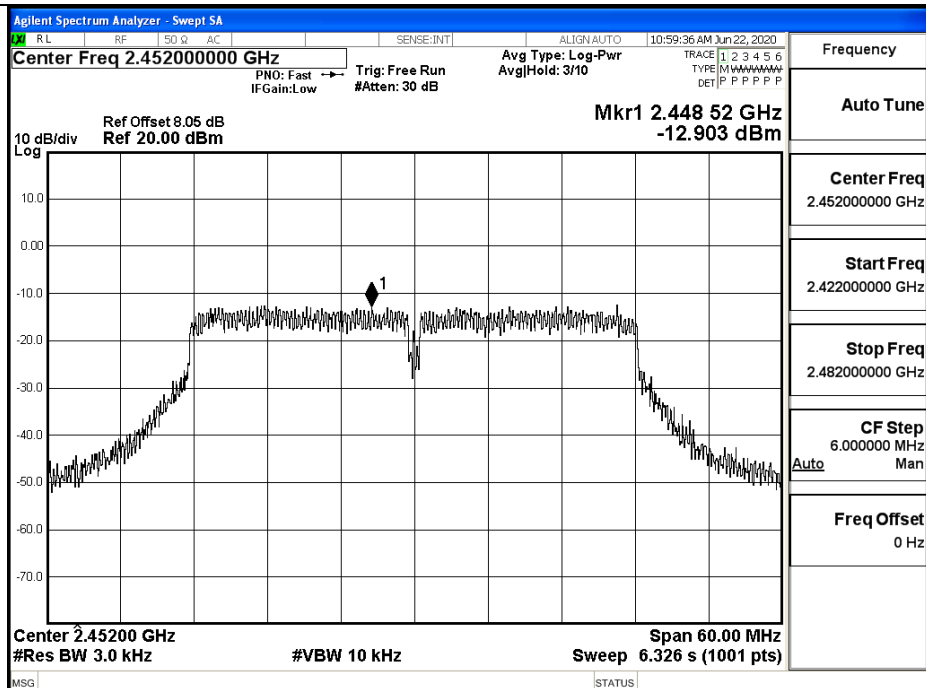
11N40SISO/LCH



11N40SISO/MCH



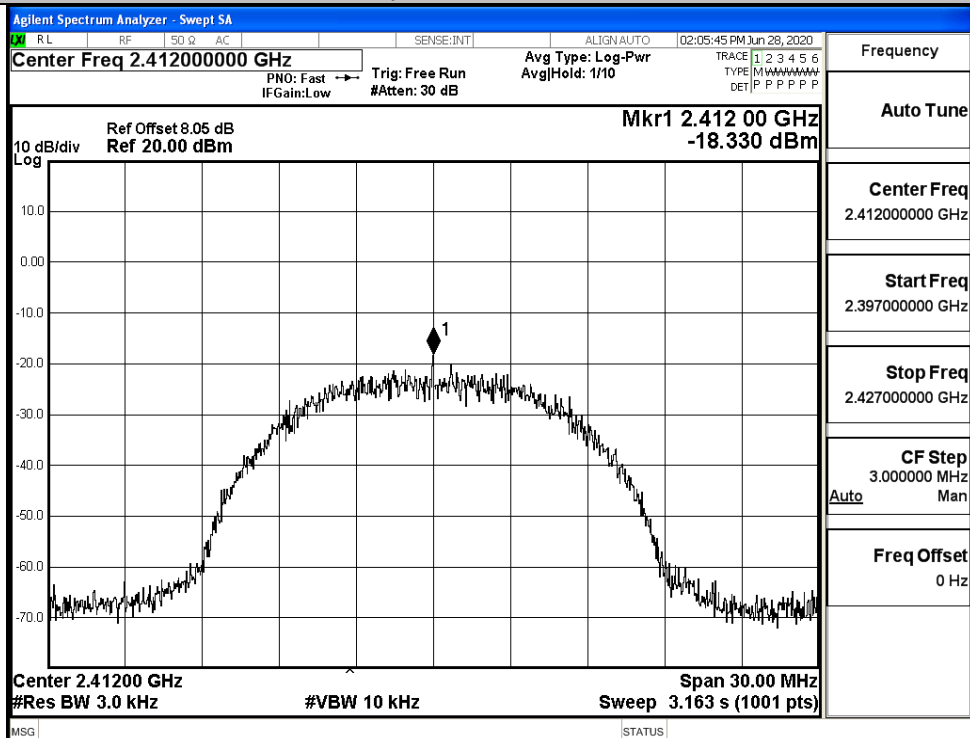
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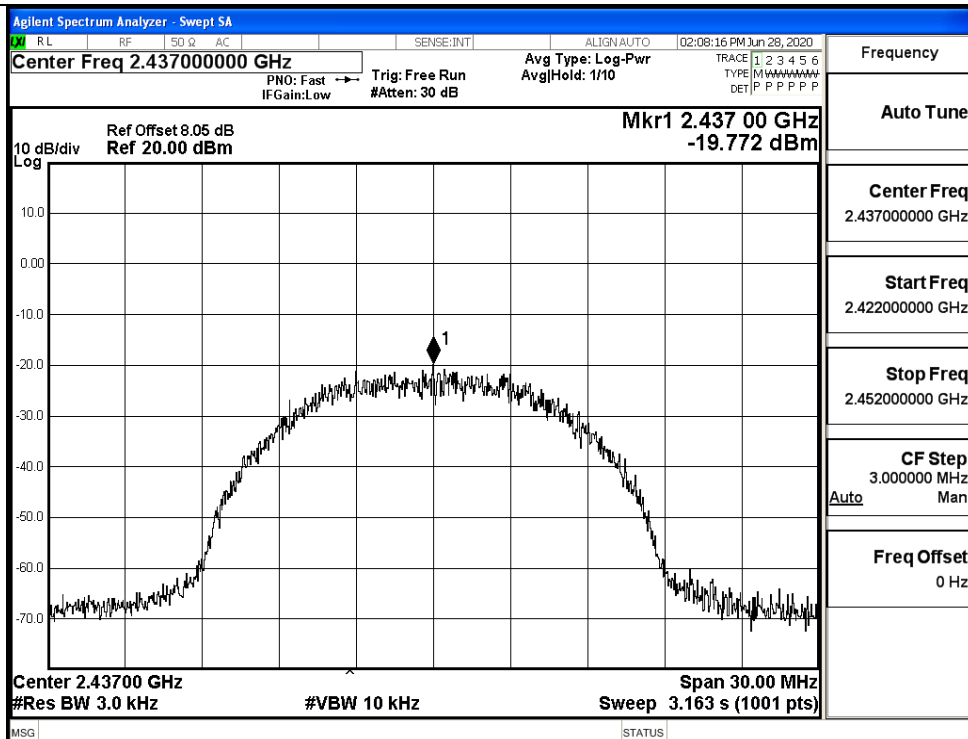
ANT1

Test Graphs

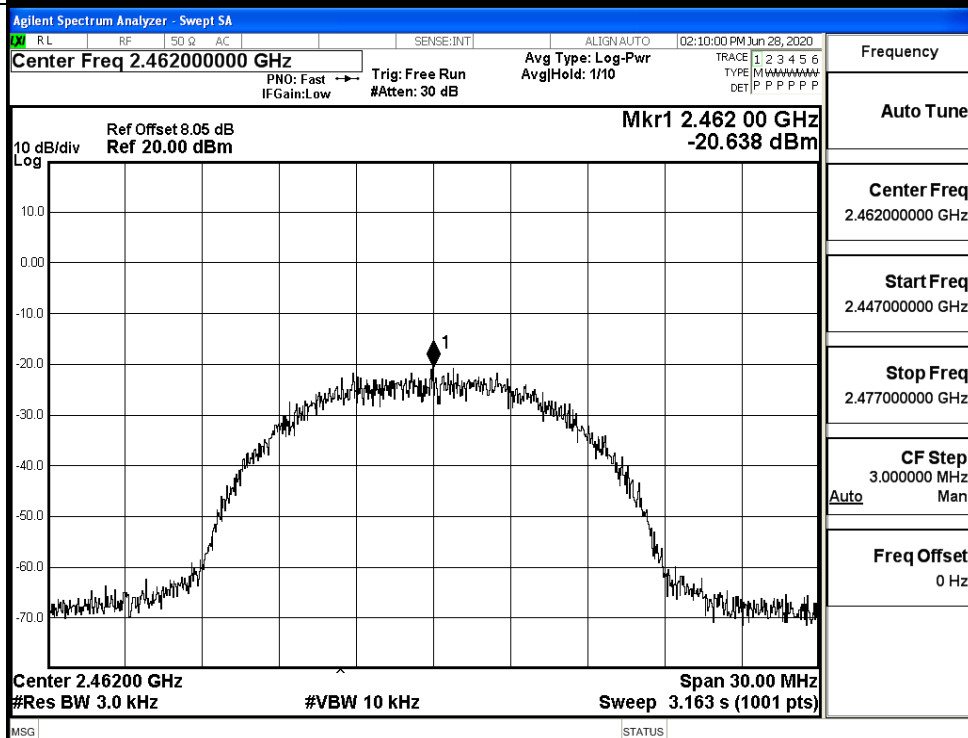
11B/LCH



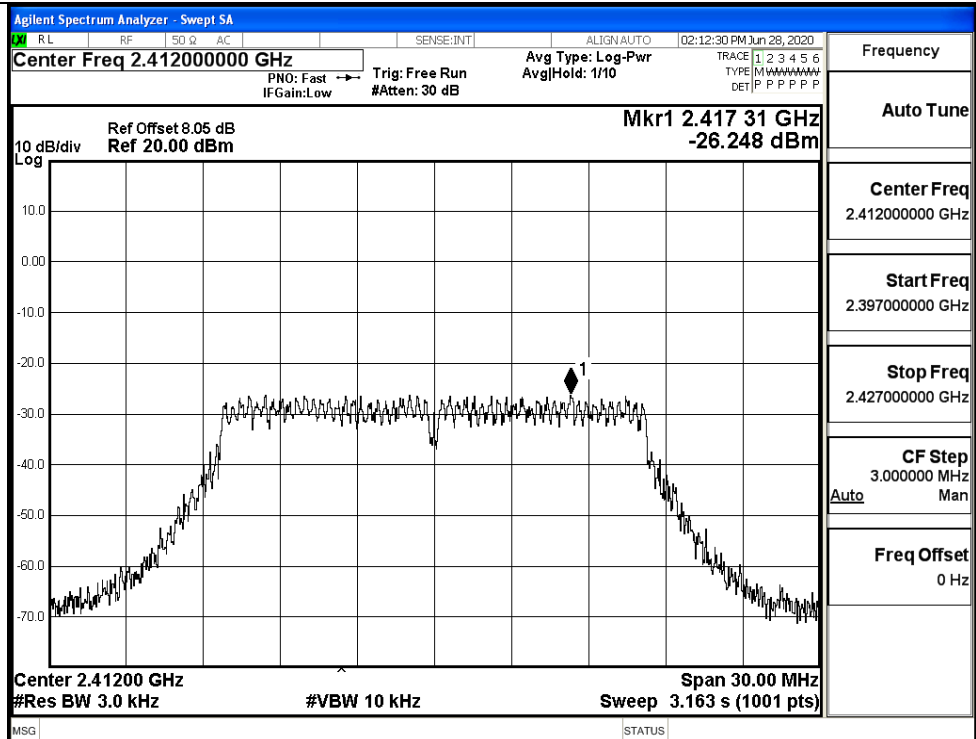
11B/MCH



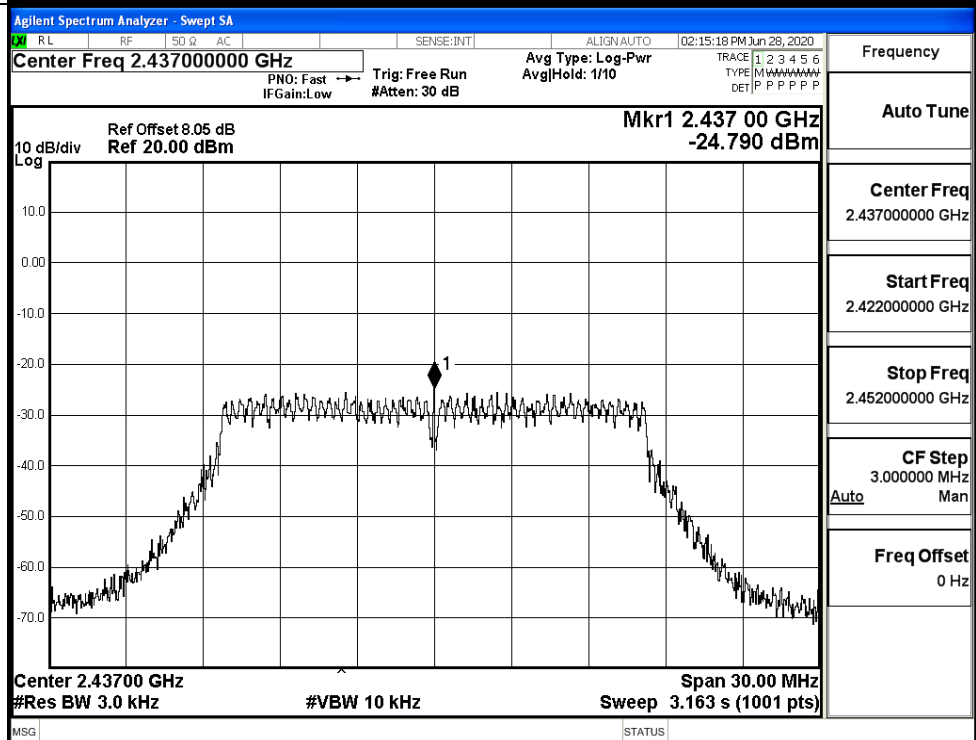
11B/HCH



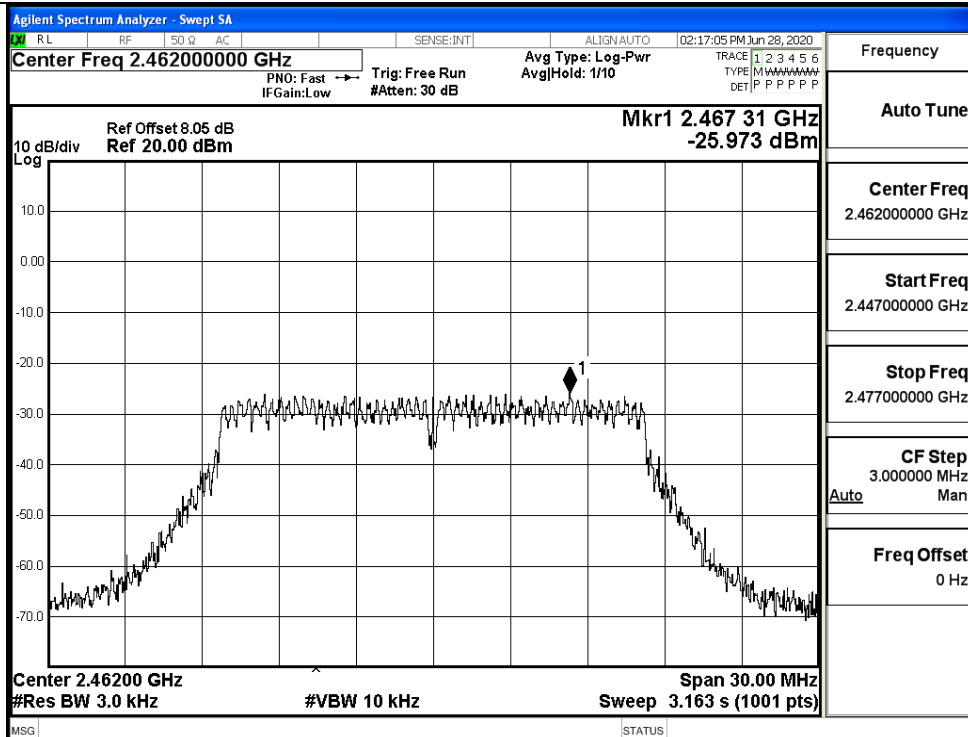
11G/LCH



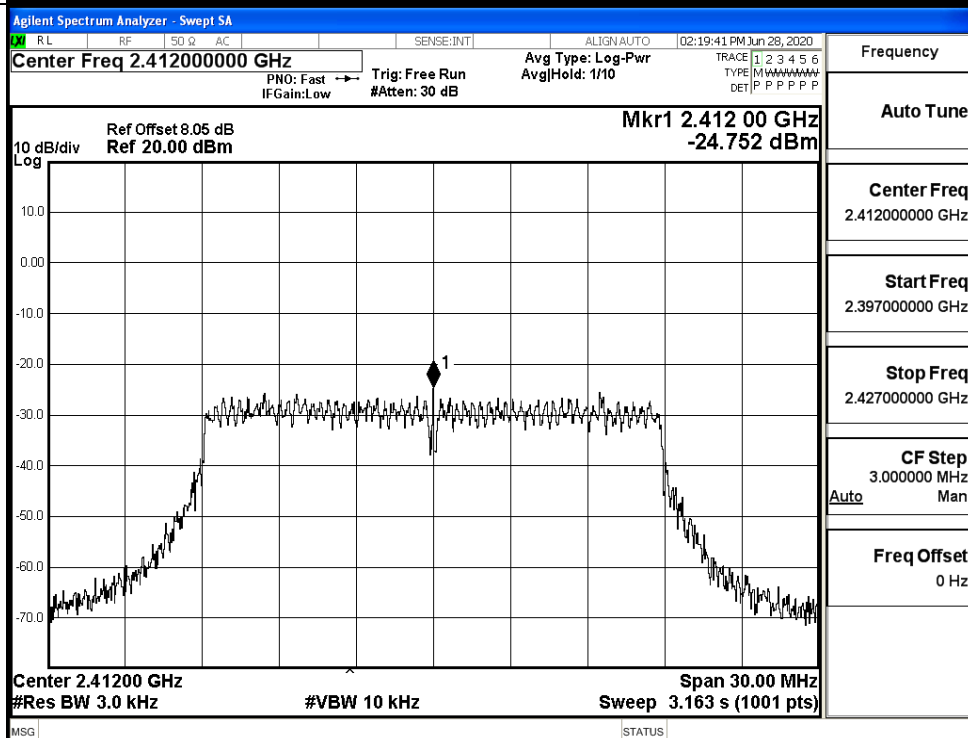
11G/MCH



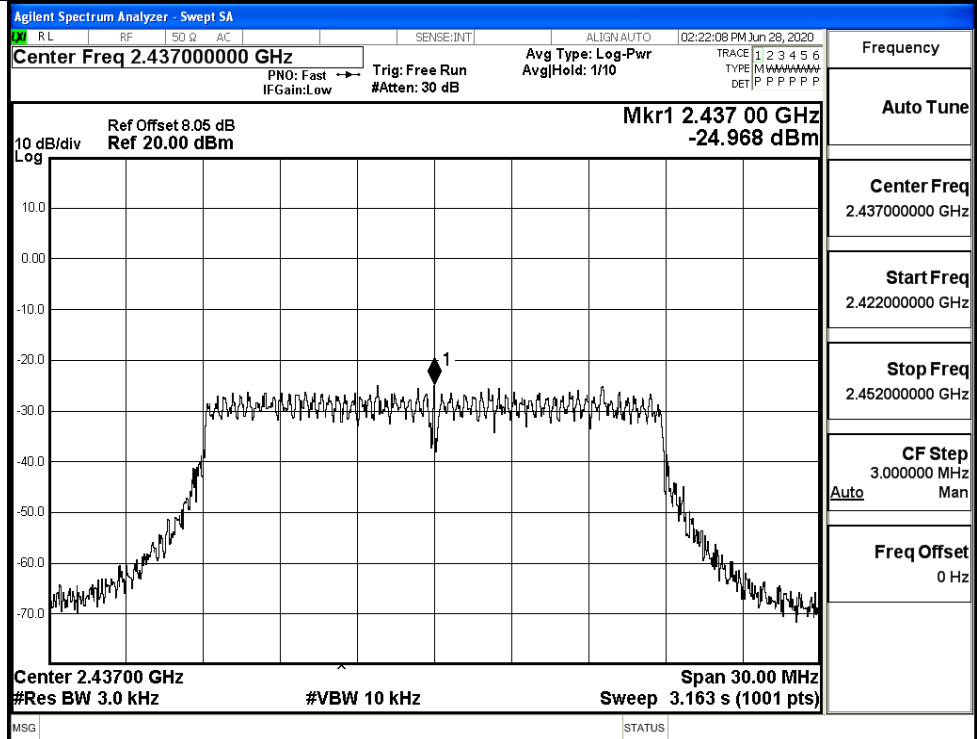
11G/HCH



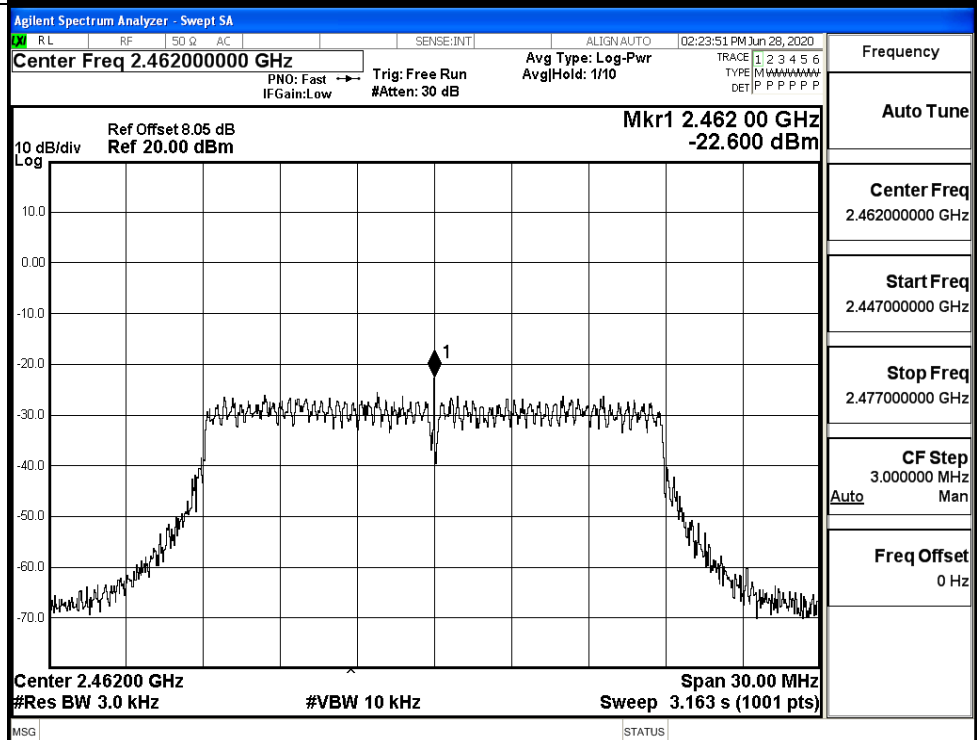
11N20SISO/LCH



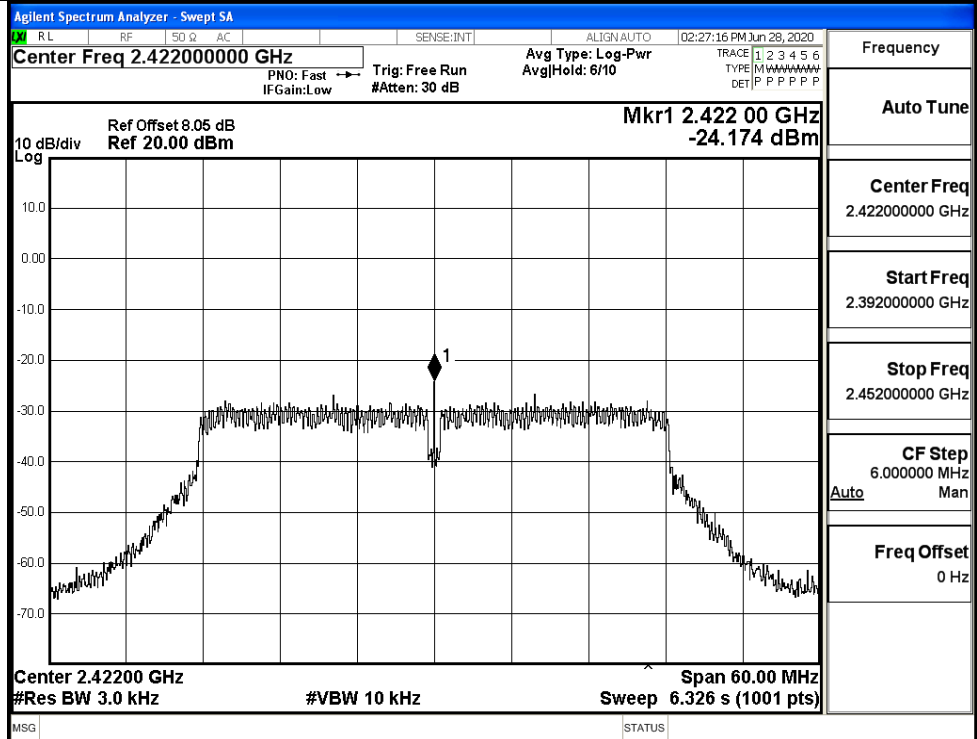
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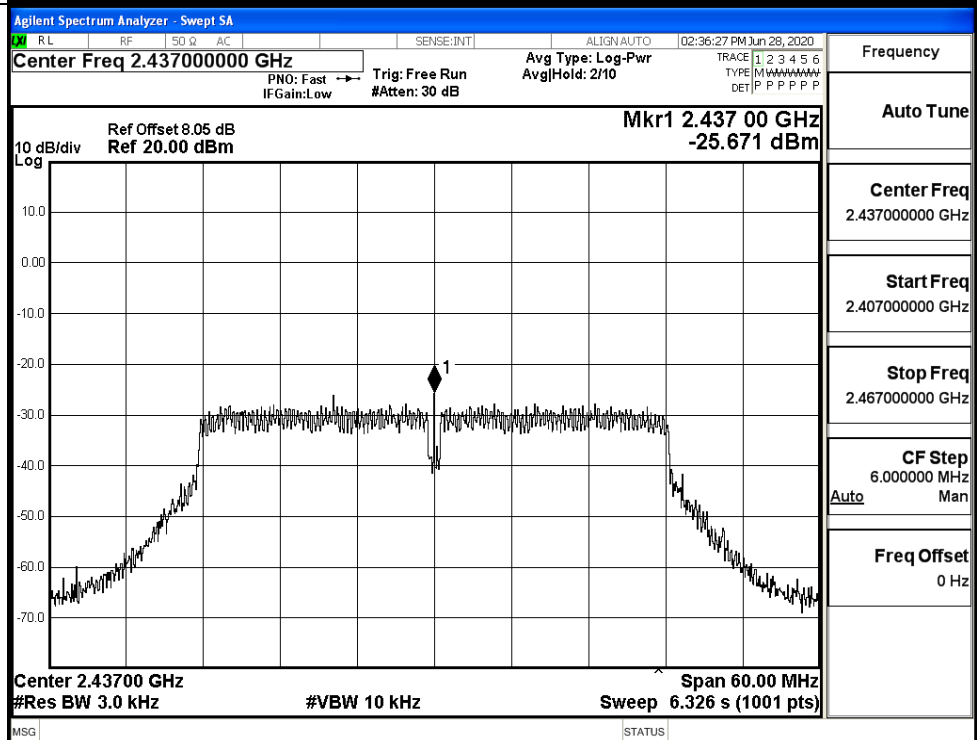
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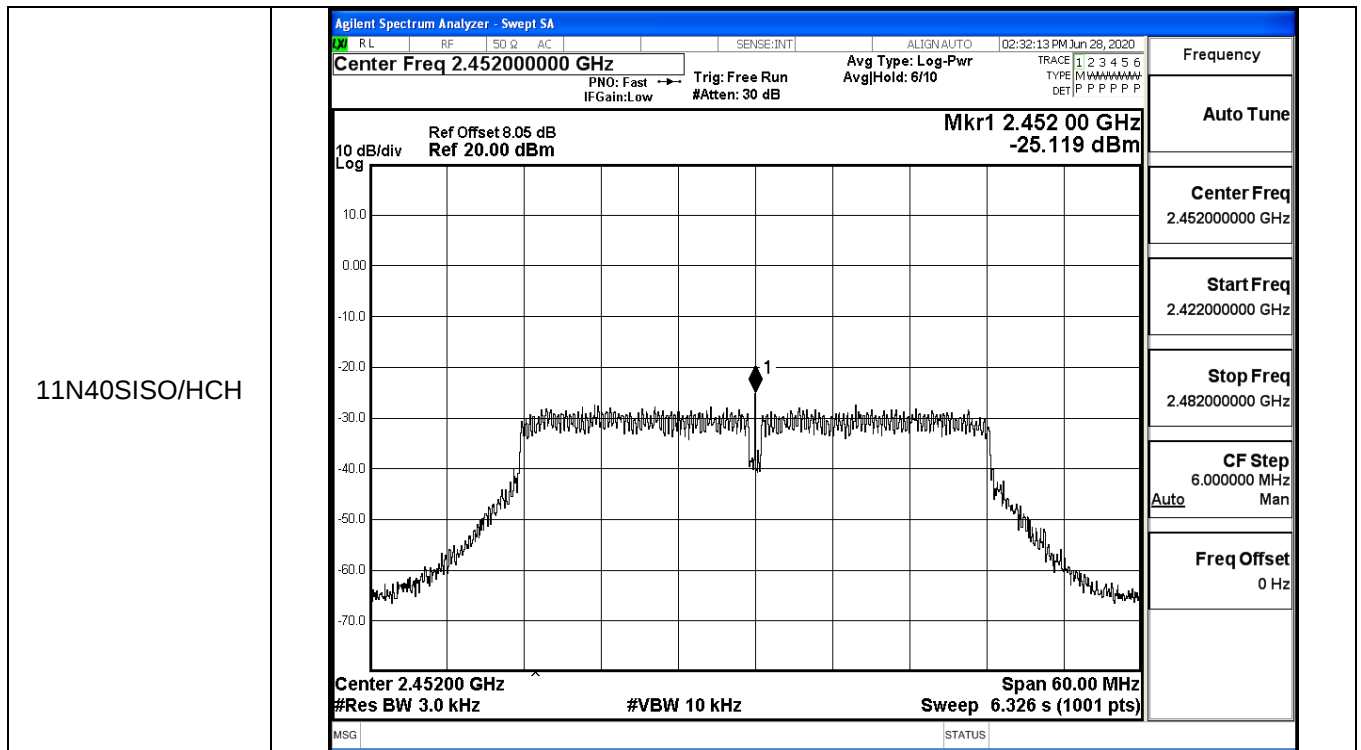


11N40SISO/LCH



11N40SISO/MCH



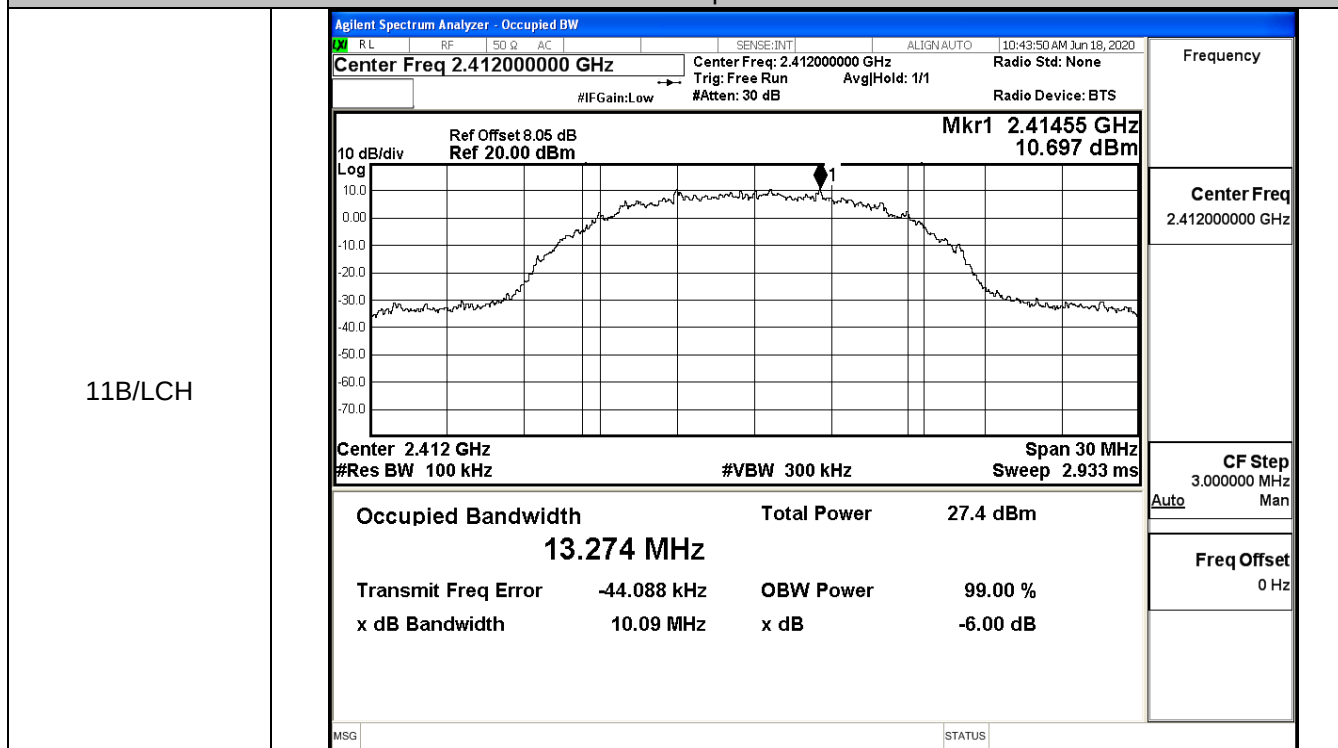


C.4 6dB Bandwidth

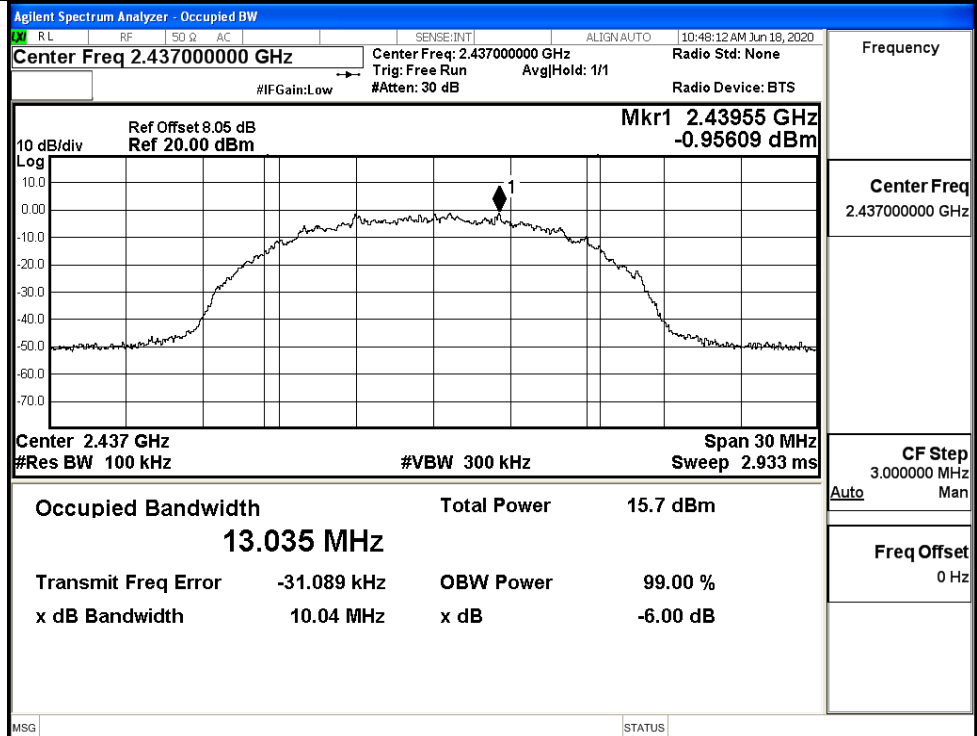
ANTO

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	10.09	≥ 0.5	PASS
	MCH	10.04	≥ 0.5	PASS
	HCH	10.08	≥ 0.5	PASS
11G	LCH	16.50	≥ 0.5	PASS
	MCH	16.51	≥ 0.5	PASS
	HCH	16.49	≥ 0.5	PASS
11N20SISO	LCH	16.60	≥ 0.5	PASS
	MCH	17.62	≥ 0.5	PASS
	HCH	17.65	≥ 0.5	PASS
11N40SISO	LCH	36.51	≥ 0.5	PASS
	MCH	36.51	≥ 0.5	PASS
	HCH	36.50	≥ 0.5	PASS

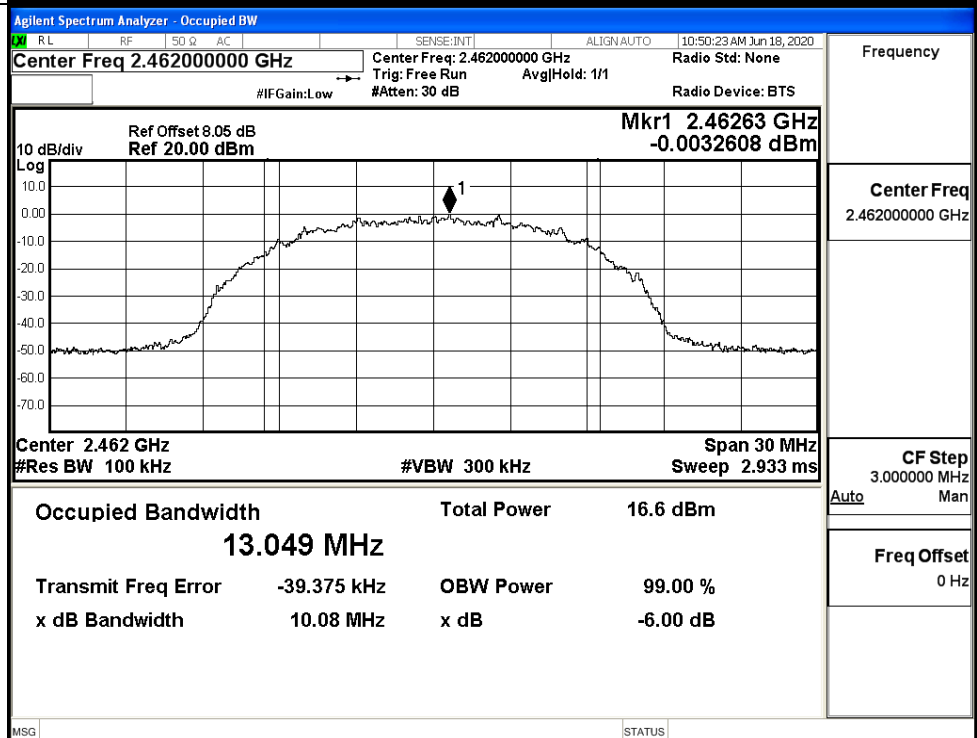
Test Graphs



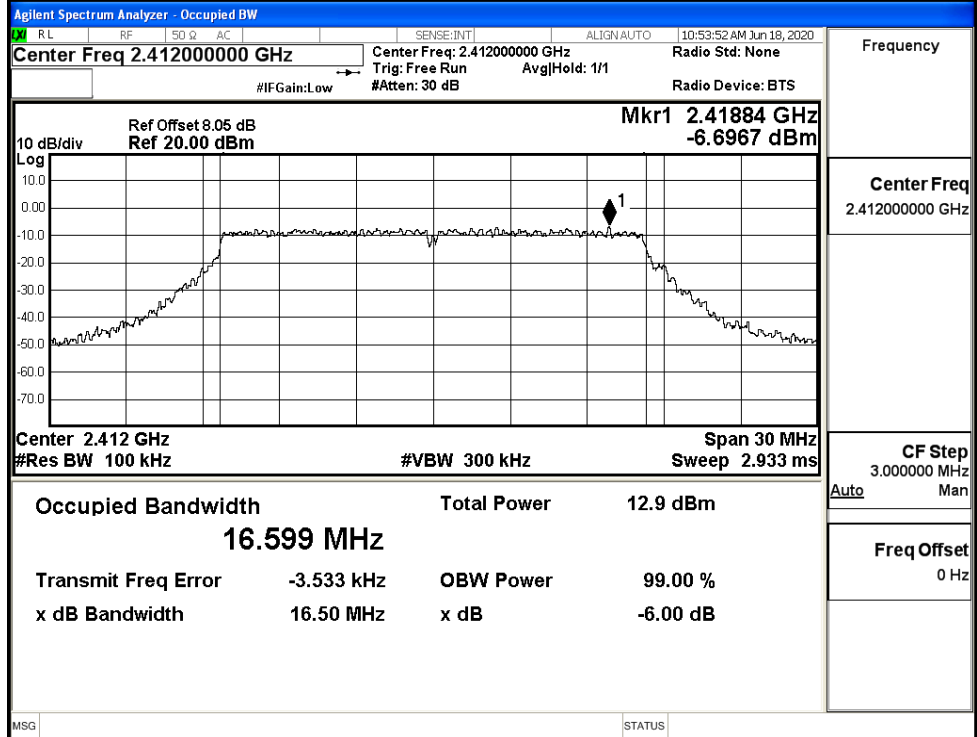
11B/MCH



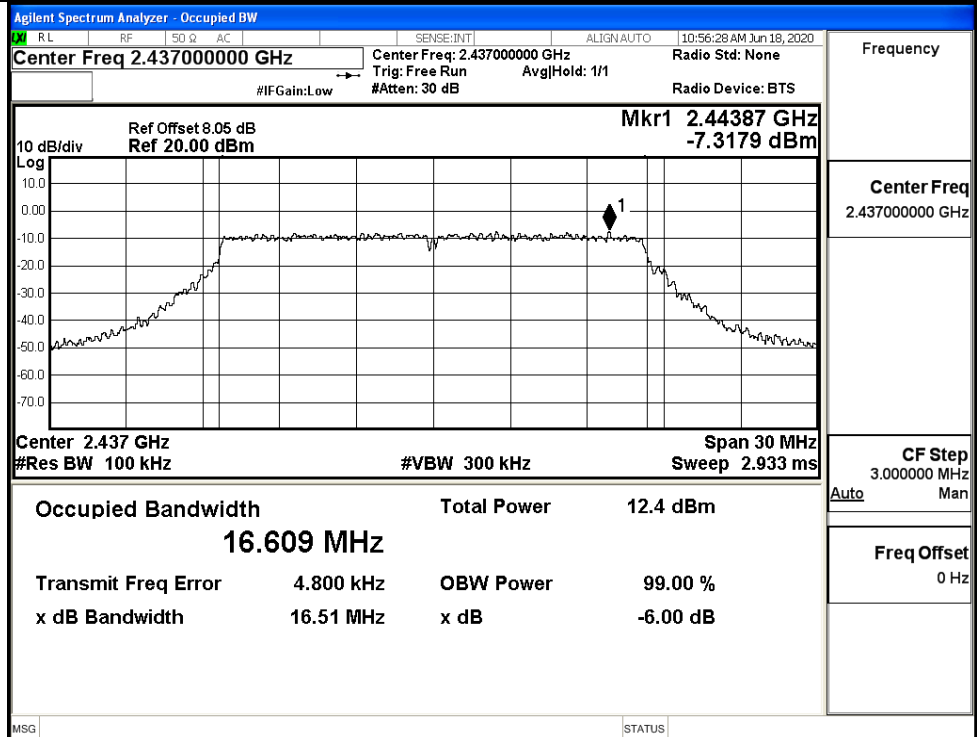
11B/HCH



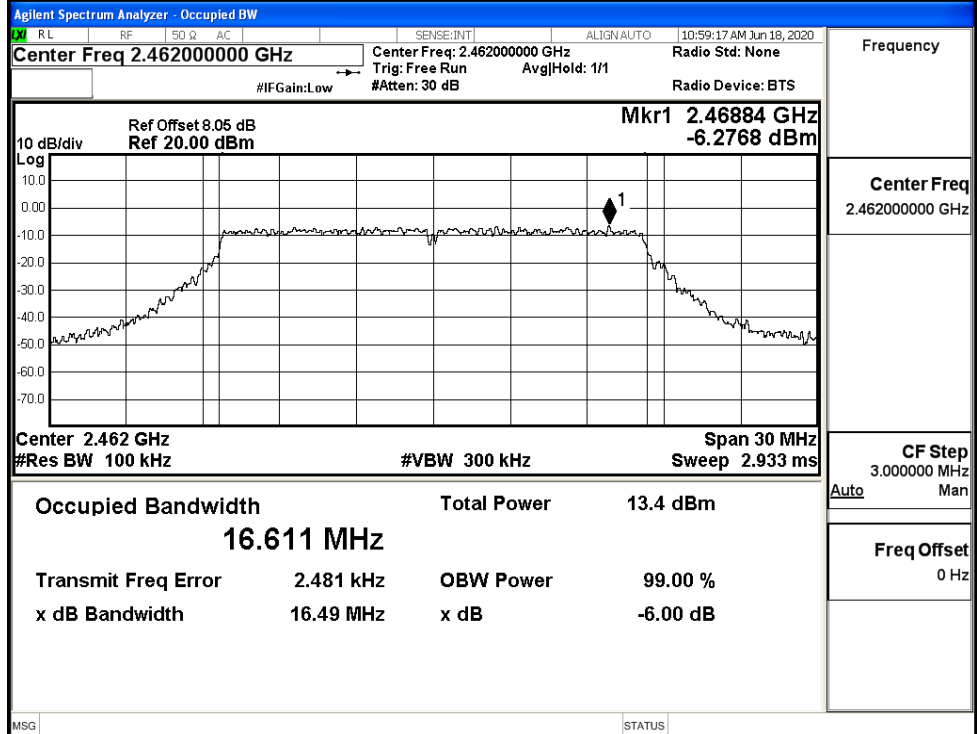
11G/LCH



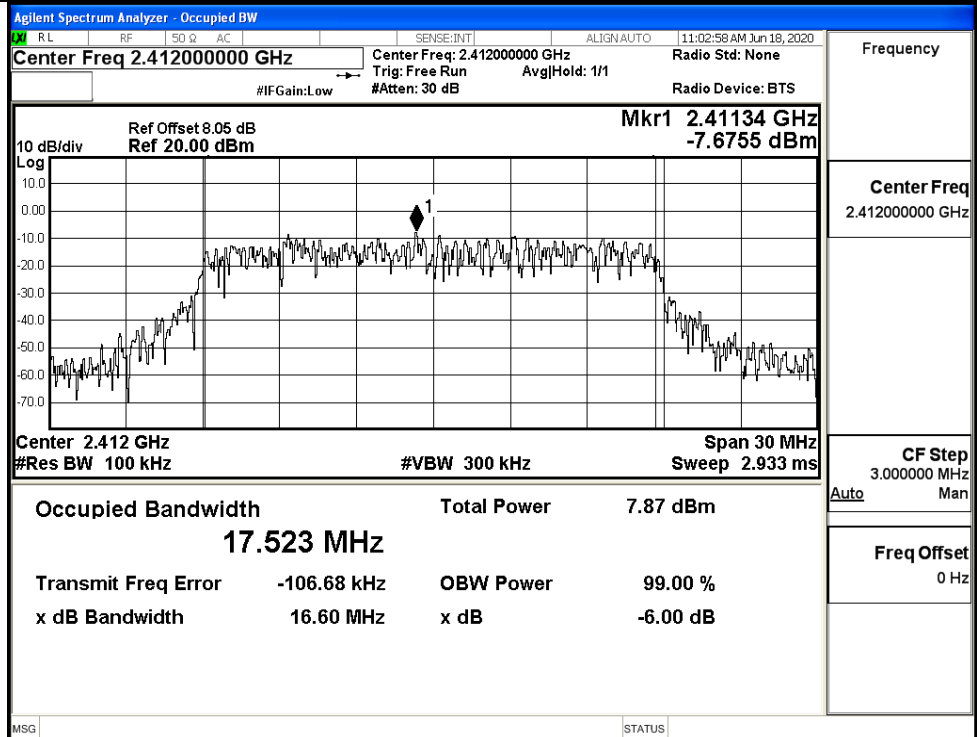
11G/MCH



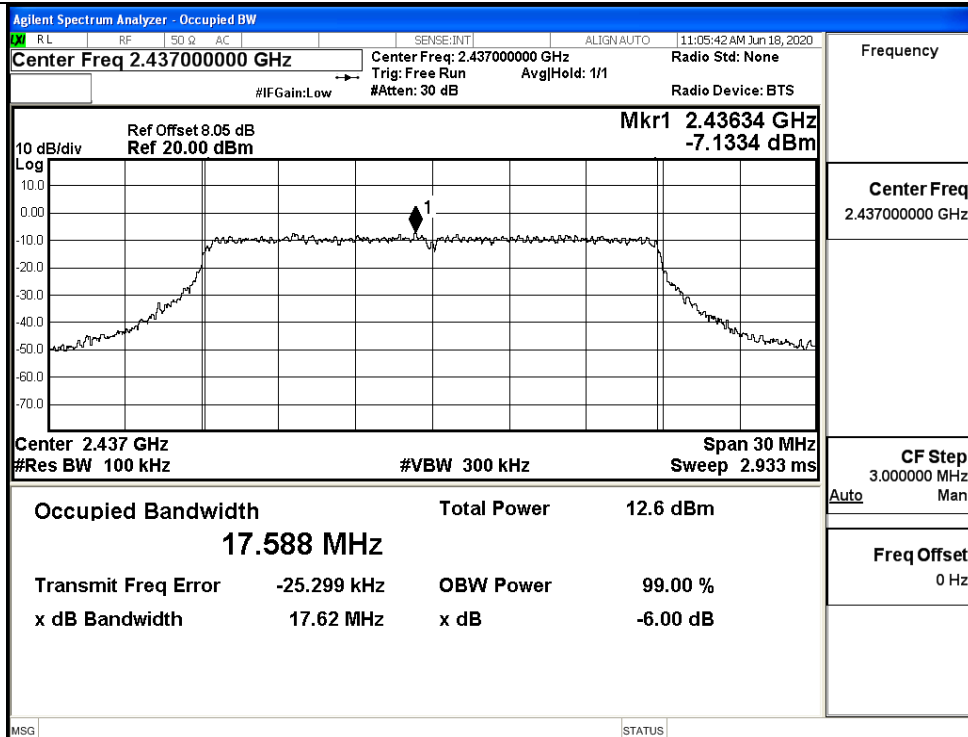
11G/HCH



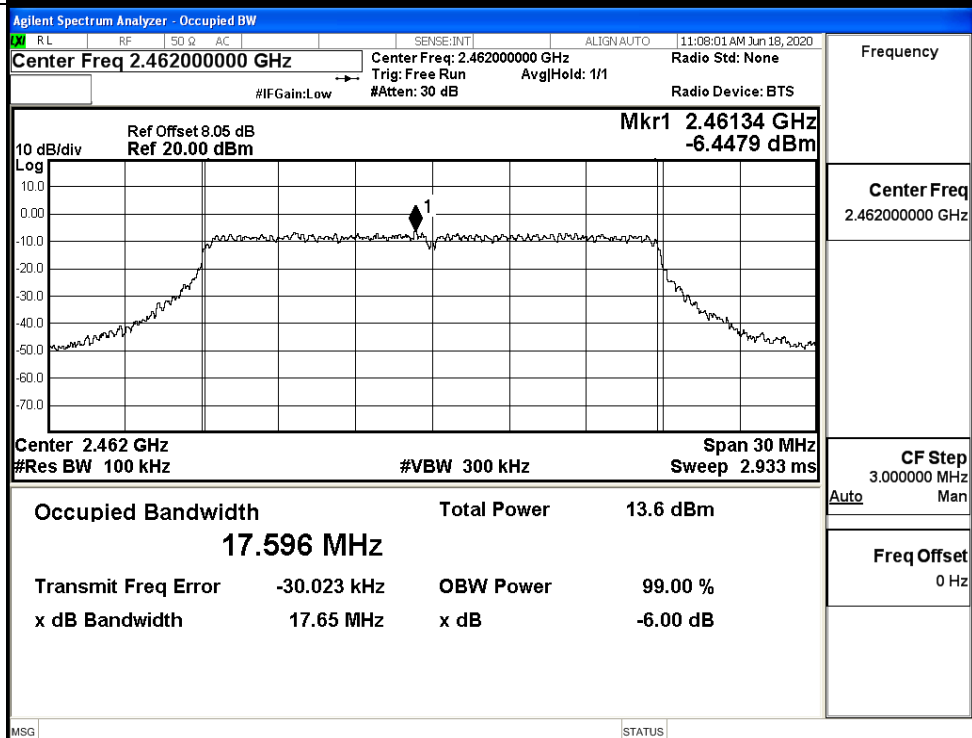
11N20SISO/LCH



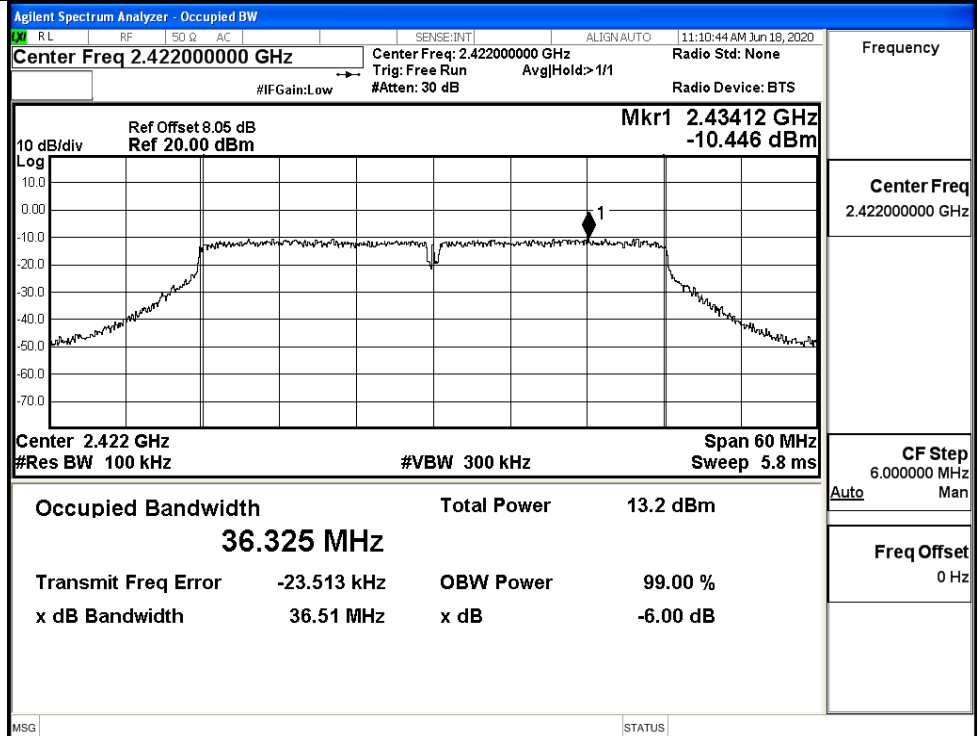
11N20SISO/MCH



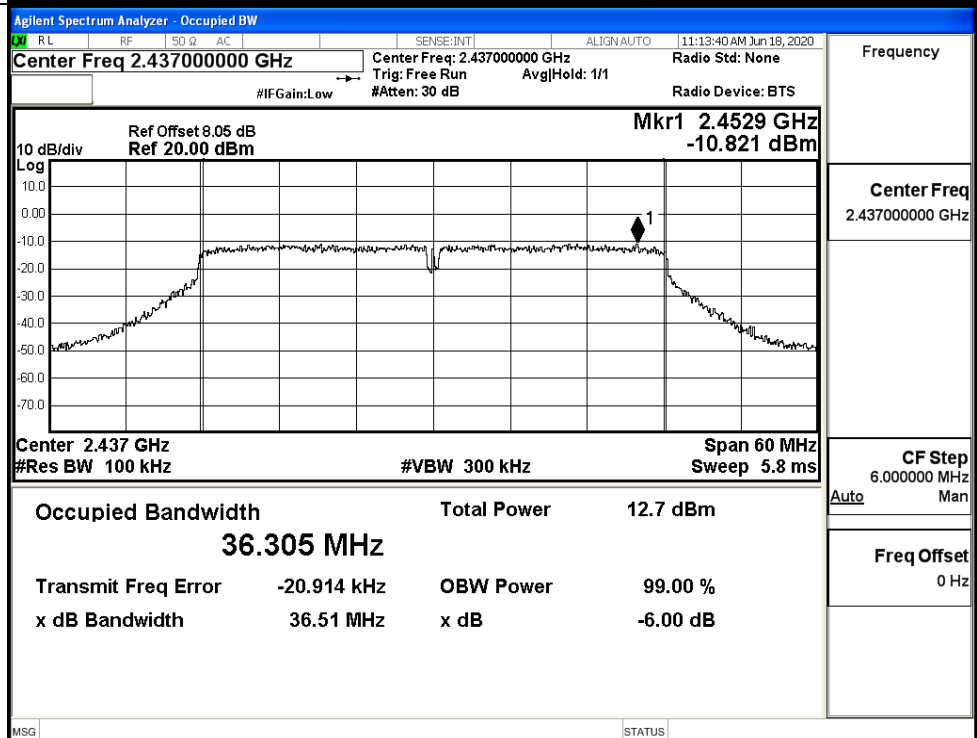
11N20SISO/HCH

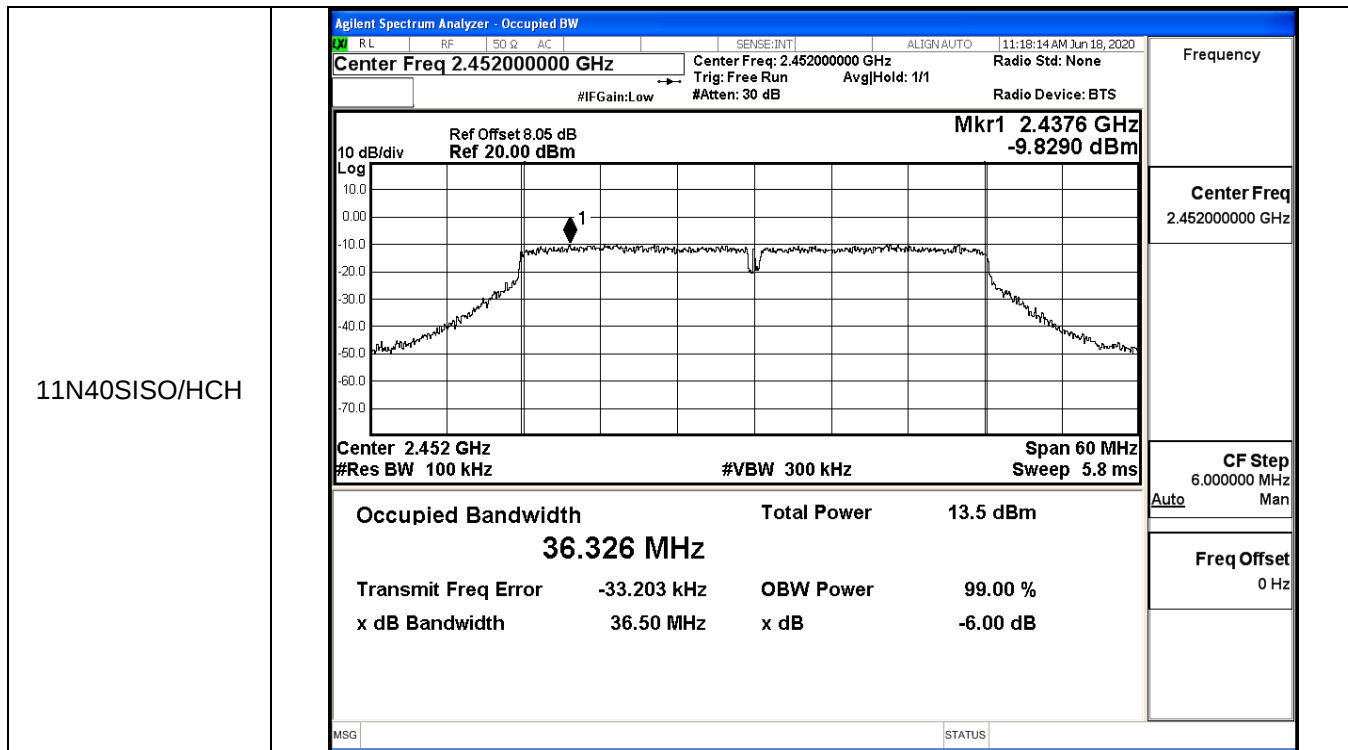


11N40SISO/LCH



11N40SISO/MCH

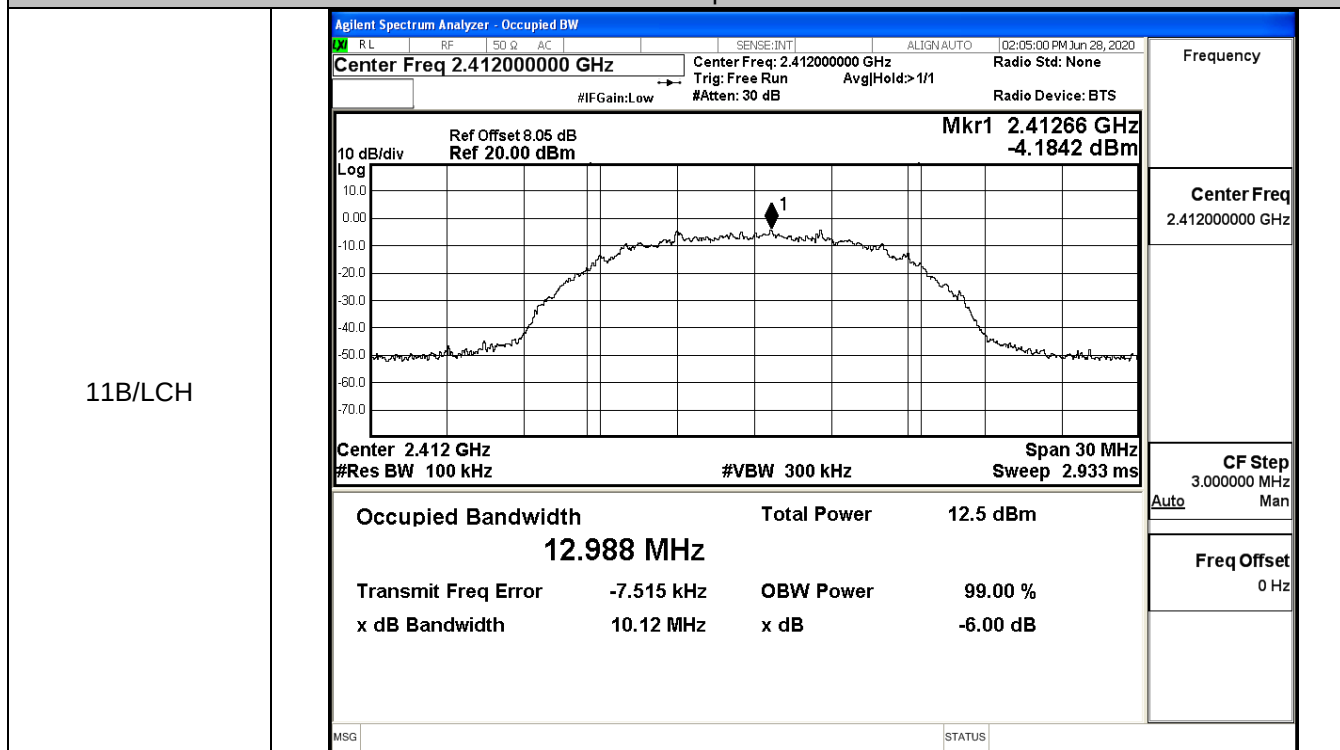




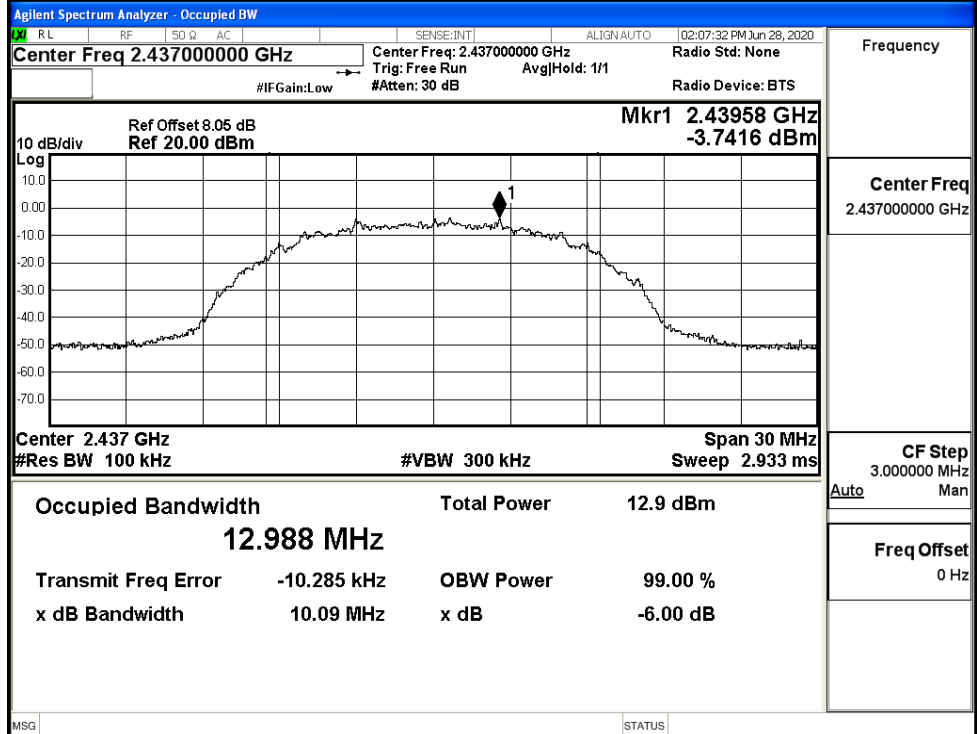
ANT1

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	10.12	≥ 0.5	PASS
	MCH	10.09	≥ 0.5	PASS
	HCH	10.10	≥ 0.5	PASS
11G	LCH	16.54	≥ 0.5	PASS
	MCH	16.52	≥ 0.5	PASS
	HCH	16.52	≥ 0.5	PASS
11N20SISO	LCH	17.67	≥ 0.5	PASS
	MCH	17.66	≥ 0.5	PASS
	HCH	17.74	≥ 0.5	PASS
11N40SISO	LCH	36.52	≥ 0.5	PASS
	MCH	36.50	≥ 0.5	PASS
	HCH	36.56	≥ 0.5	PASS

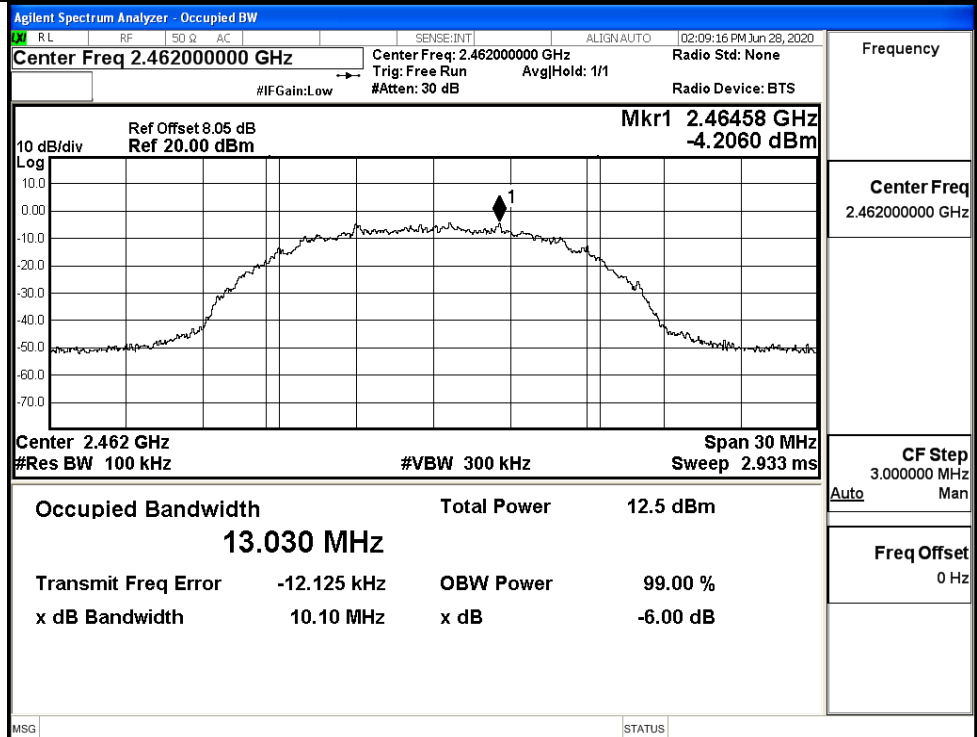
Test Graphs



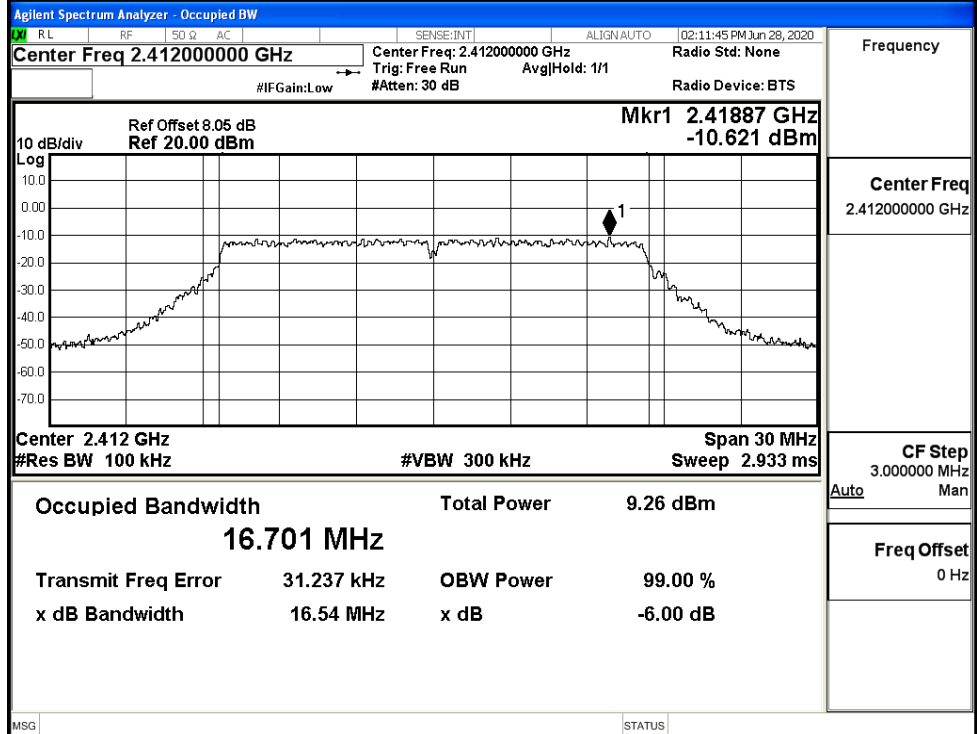
11B/MCH



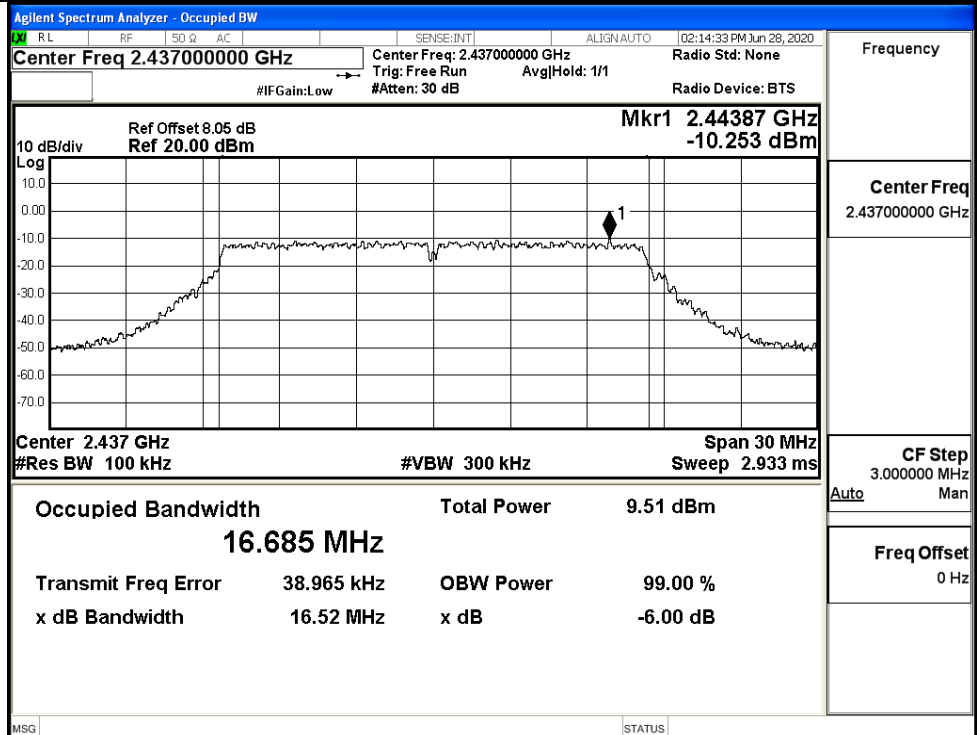
11B/HCH



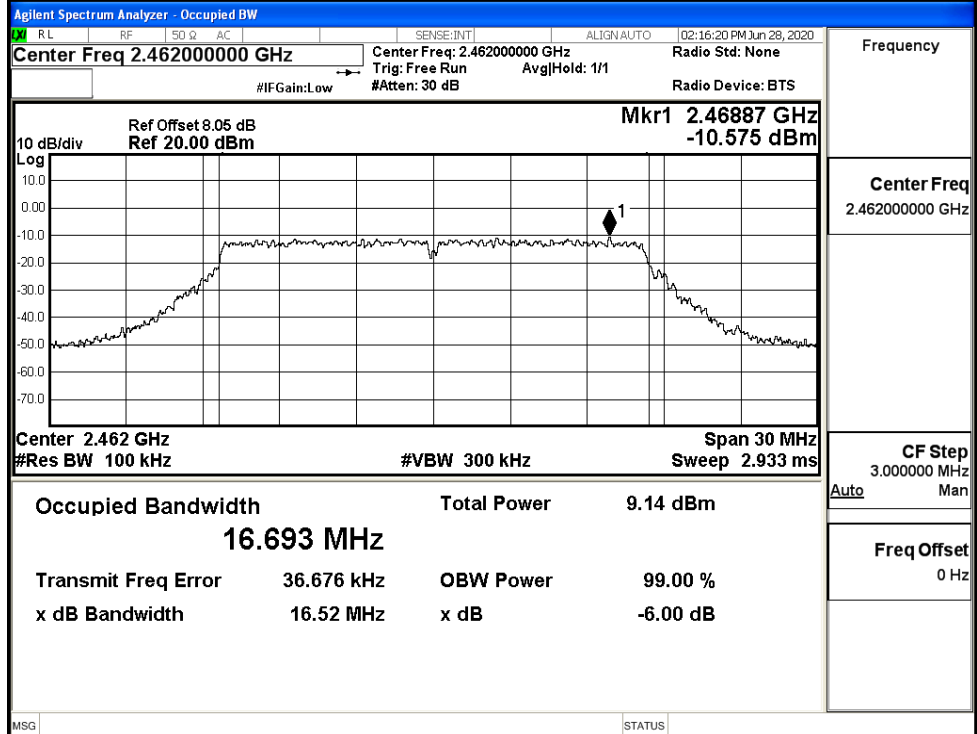
11G/LCH



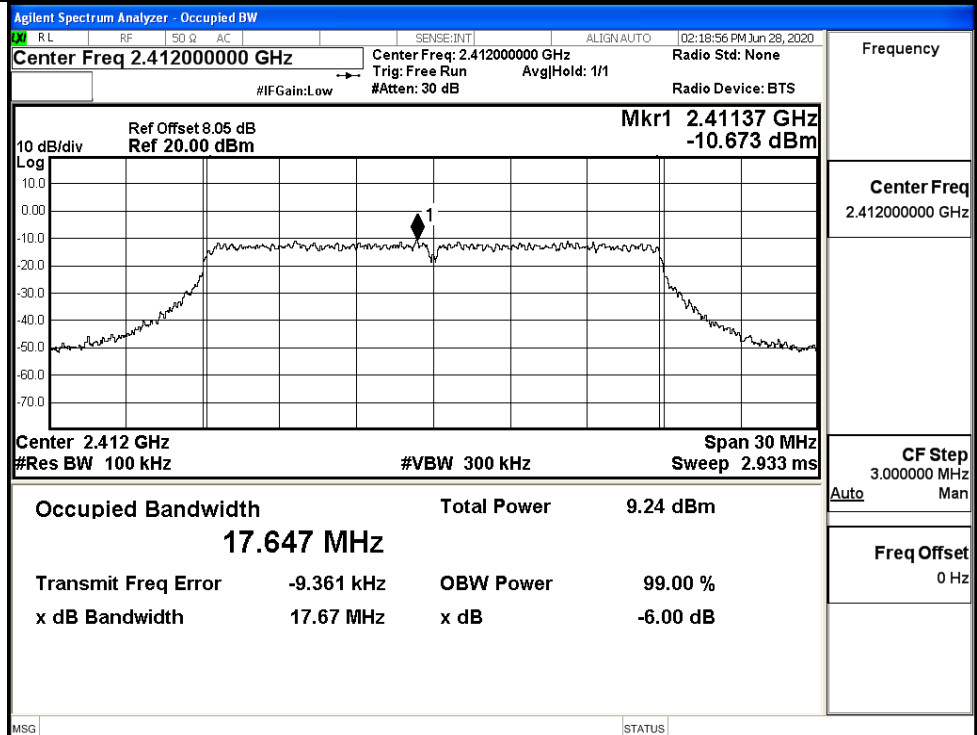
11G/MCH



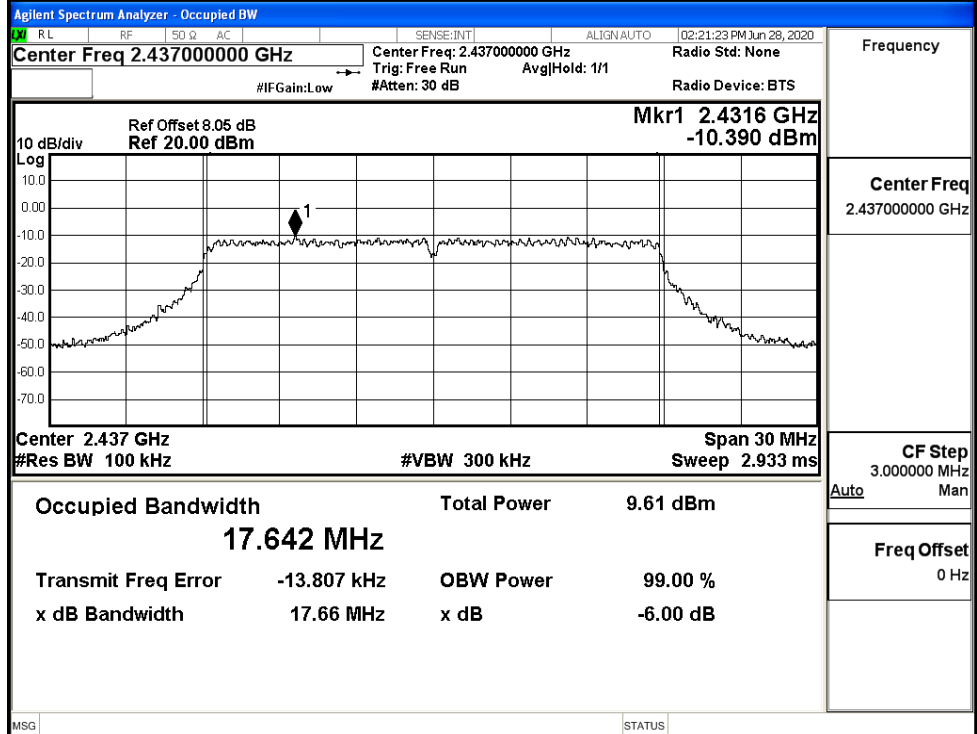
11G/HCH



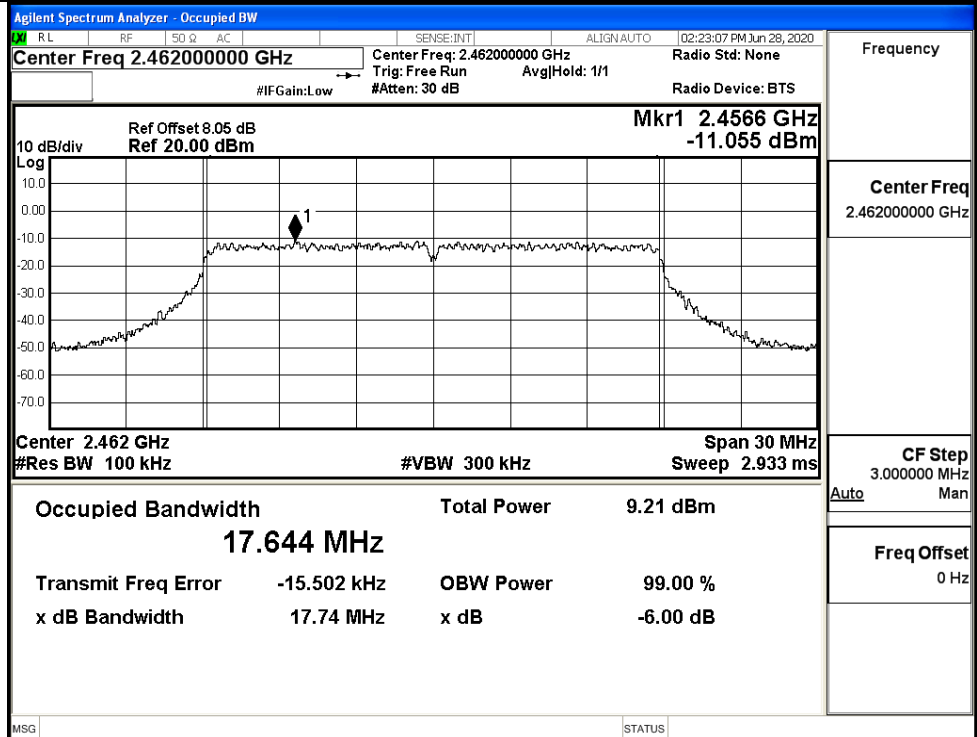
11N20SISO/LCH



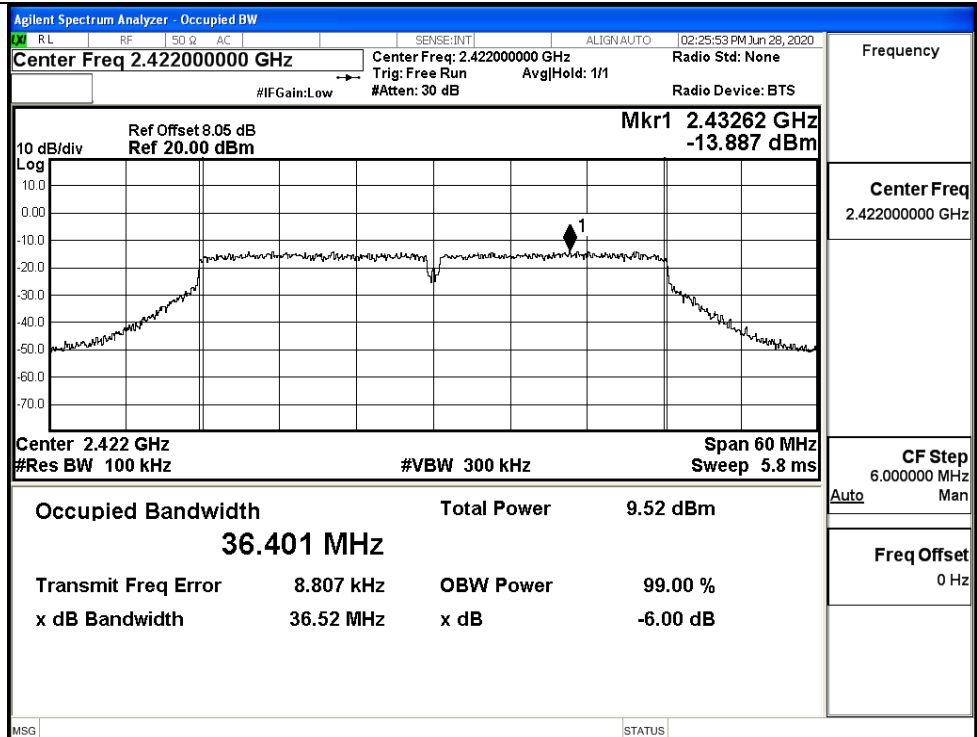
11N20SISO/MCH



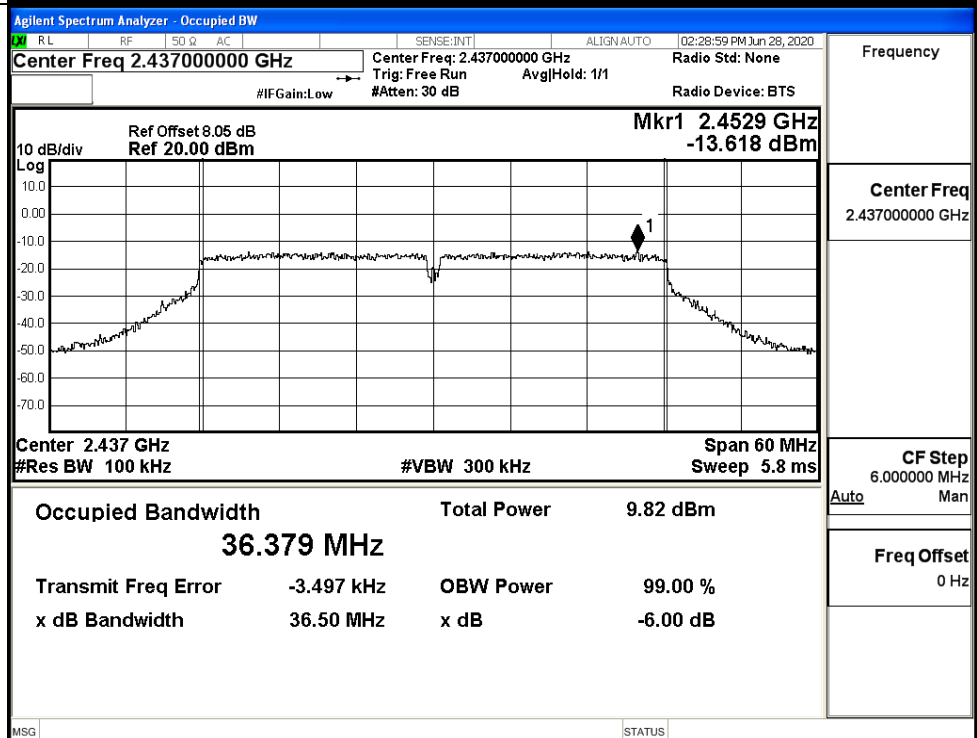
11N20SISO/HCH

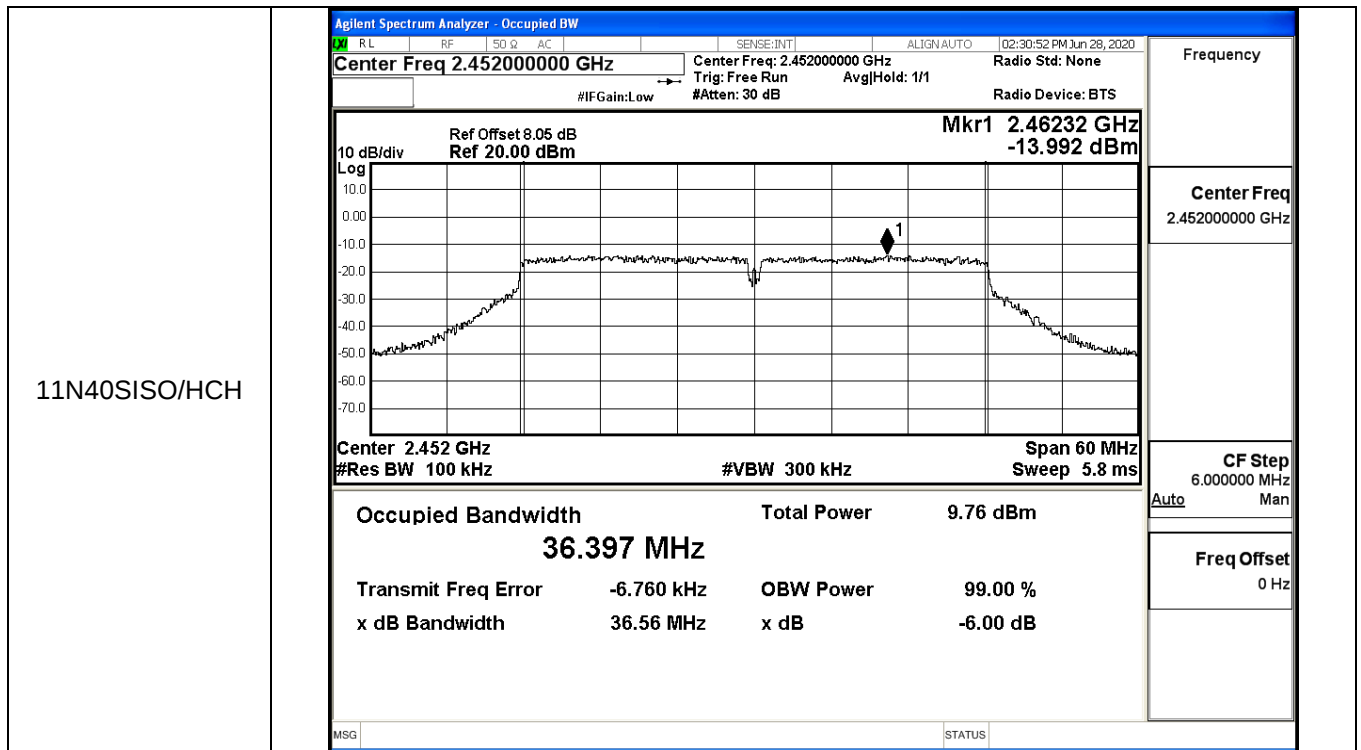


11N40SISO/LCH



11N40SISO/MCH





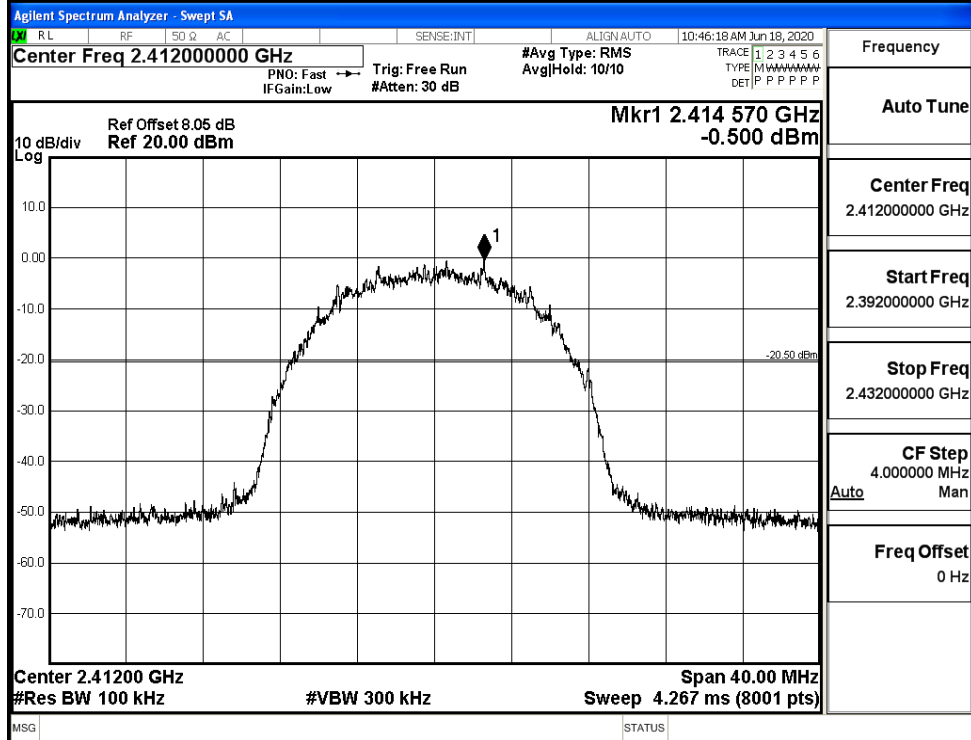
C.5 RF Conducted Spurious Emissions

ANT0

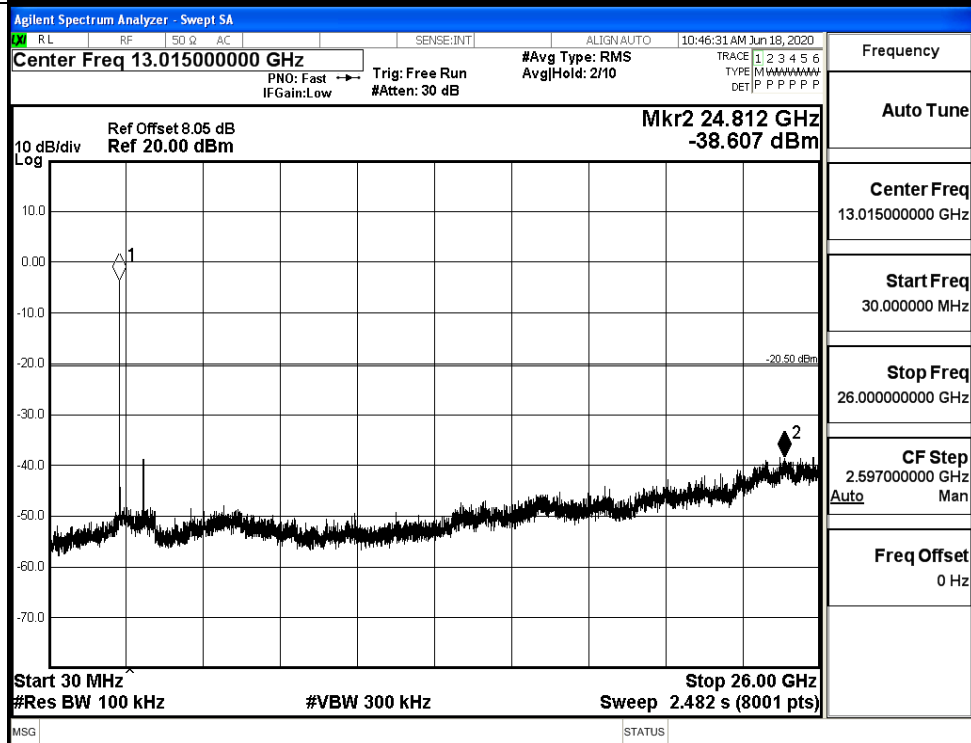
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-0.5	-38.607	-20.500	PASS
	MCH	-0.99	-38.210	-20.990	PASS
	HCH	-0.209	-37.293	-20.209	PASS
11G	LCH	-6.79	-38.316	-26.790	PASS
	MCH	-7.356	-37.938	-27.356	PASS
	HCH	-6.43	-37.599	-26.430	PASS
11N20 SISO	LCH	-6.867	-38.469	-26.867	PASS
	MCH	-7.223	-38.144	-27.223	PASS
	HCH	-6.489	-38.731	-26.489	PASS
11N40 SISO	LCH	-10.564	-37.537	-30.564	PASS
	MCH	-10.927	-36.885	-30.927	PASS
	HCH	-9.945	-37.726	-29.945	PASS

11B LCH Graphs

Pref/11B/LCH

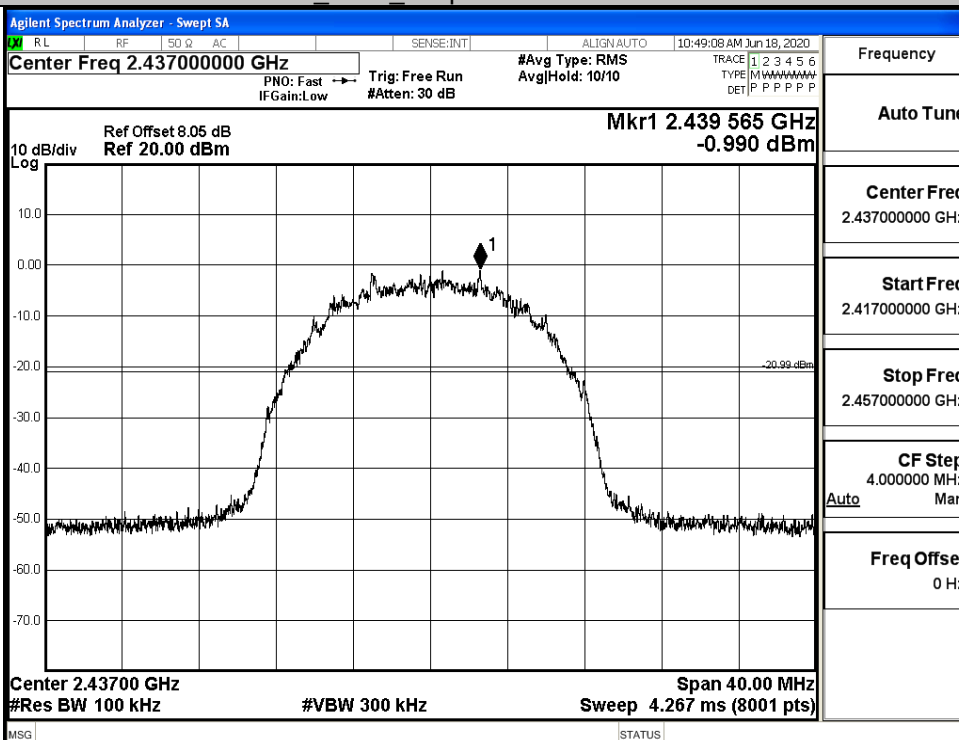


Puw/11B/LCH

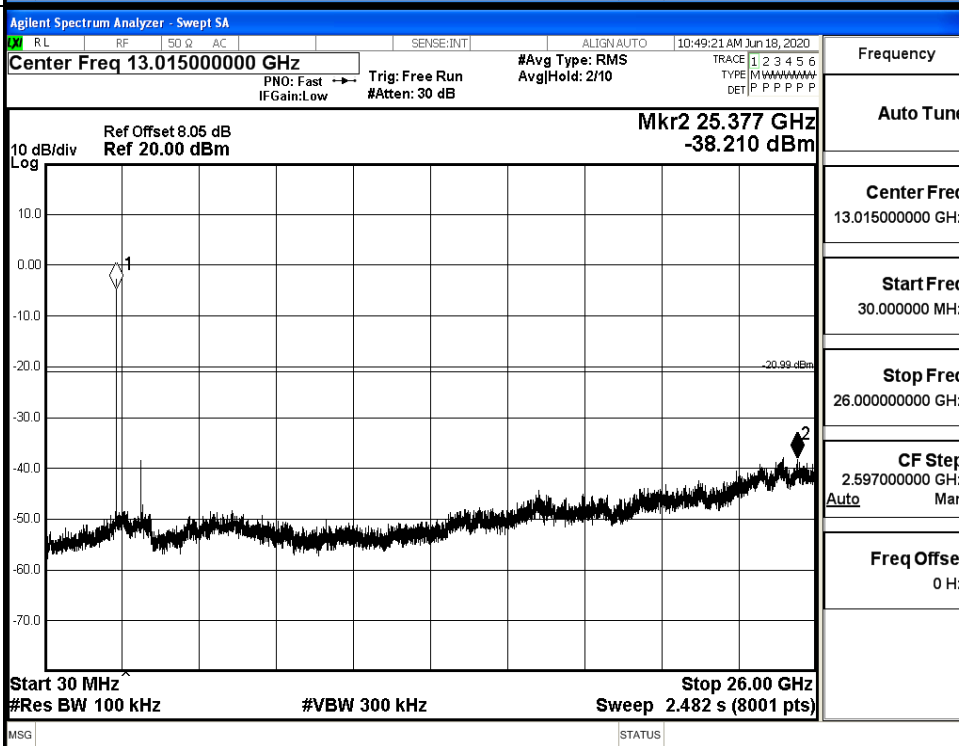


11B MCH Graphs

Pref/11B/MCH

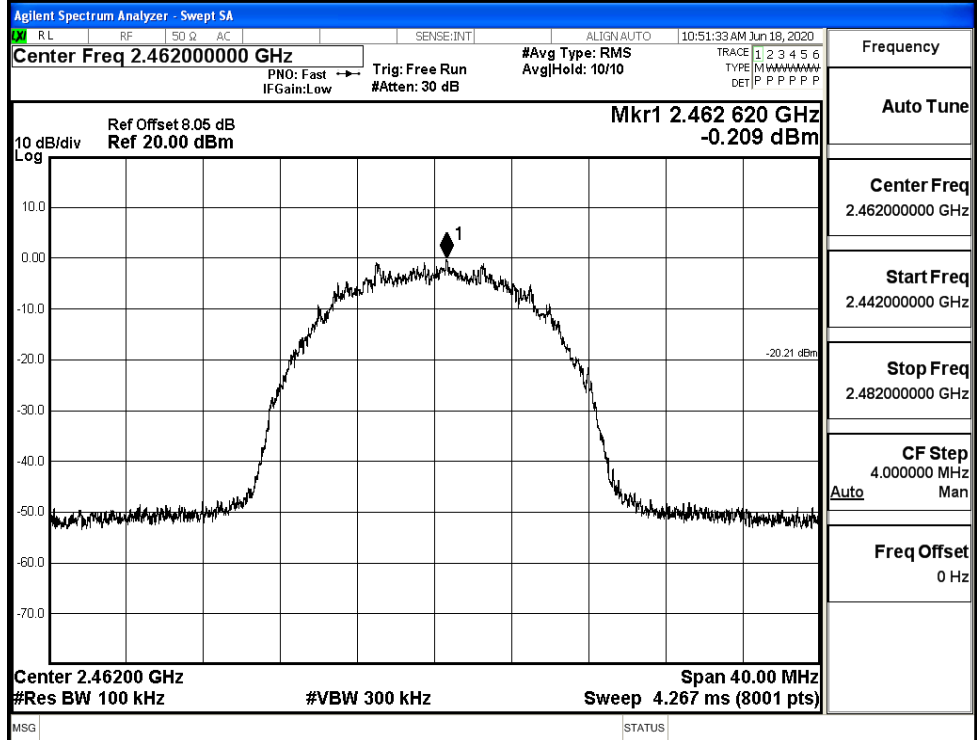


Puw/11B/MCH

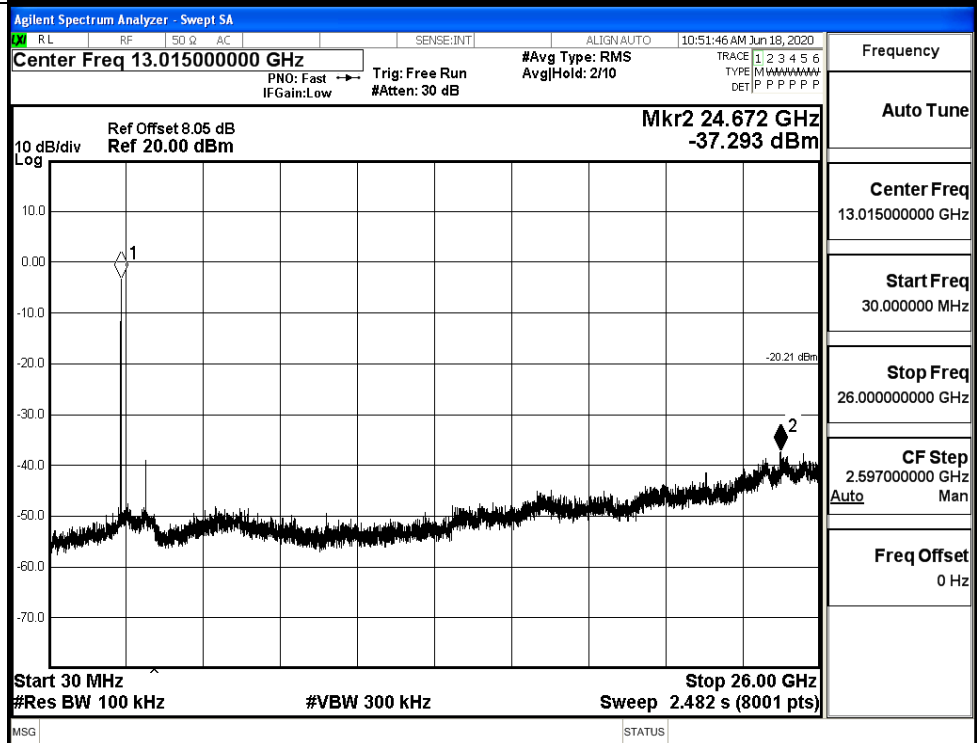


11B HCH Graphs

Pref/11B/HCH

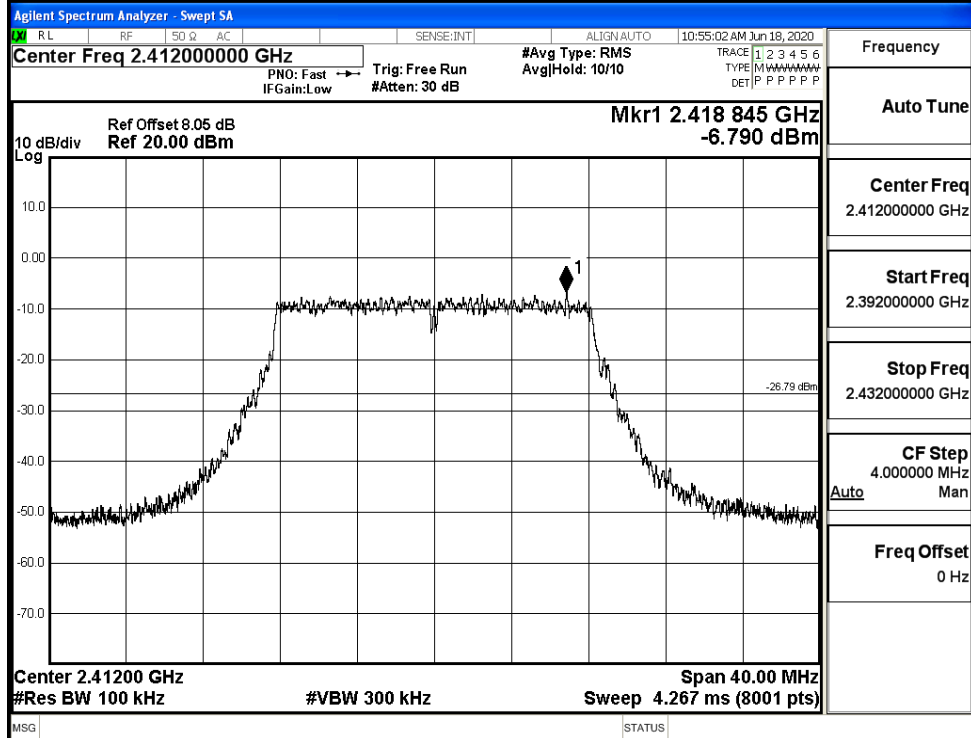


Puw/11B/HCH

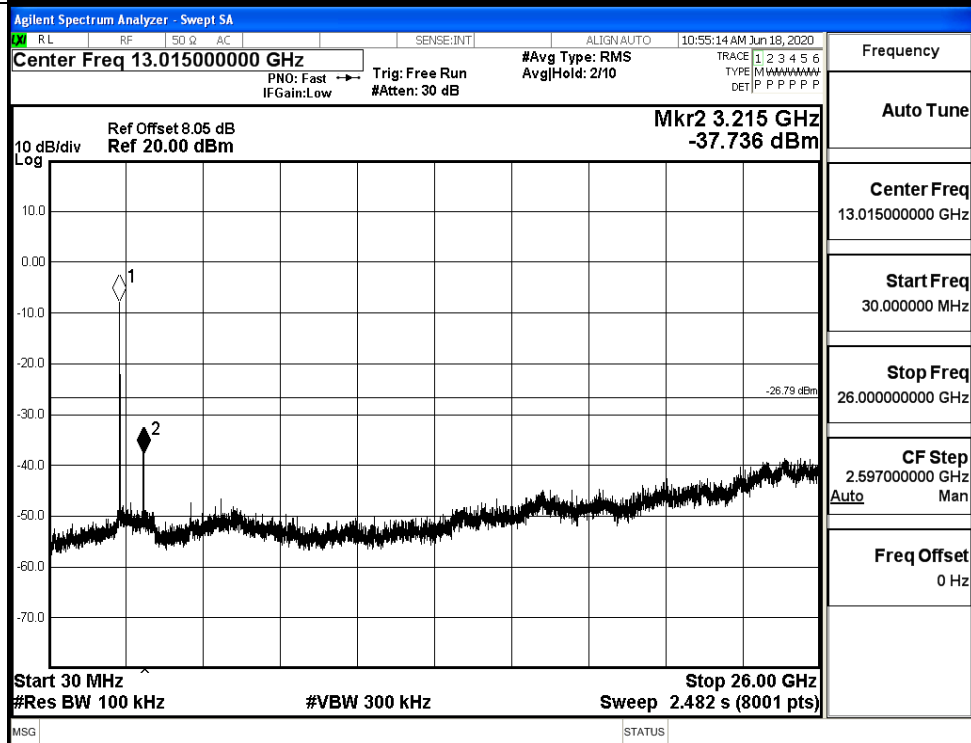


11G LCH Graphs

Pref/11G/LCH

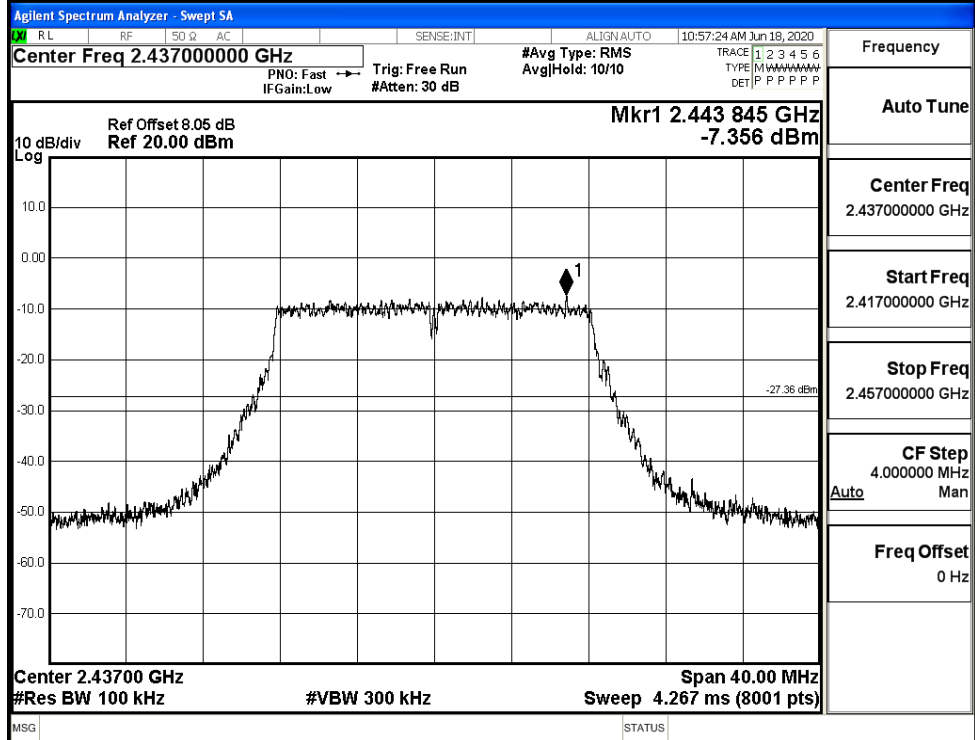


Puw/11G/LCH

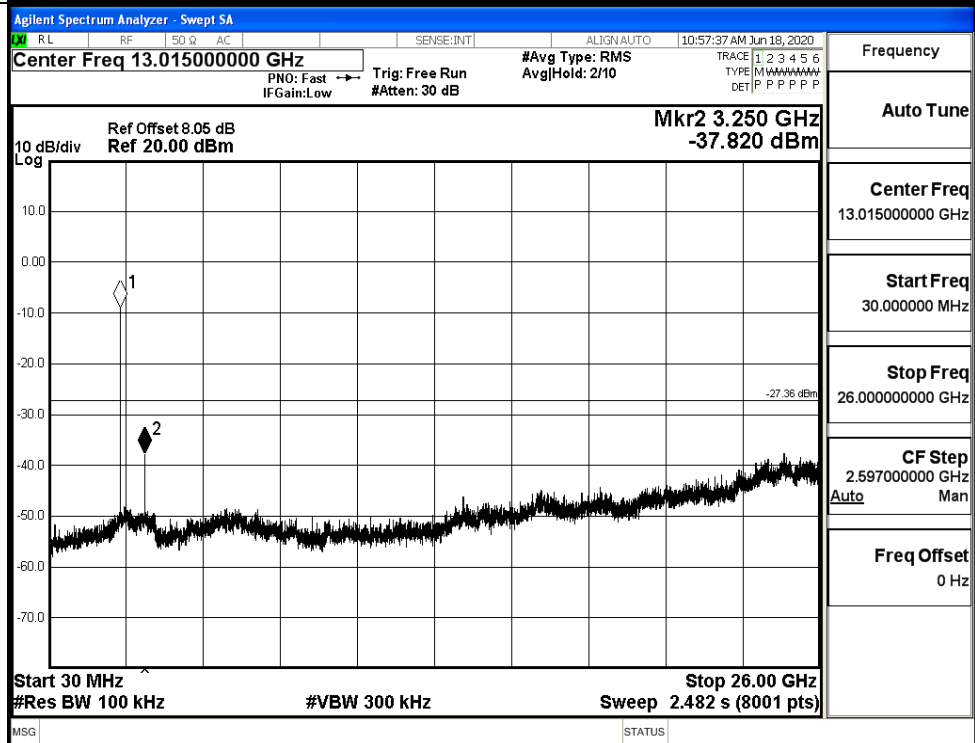


11G MCH Graphs

Pref/11G/MCH

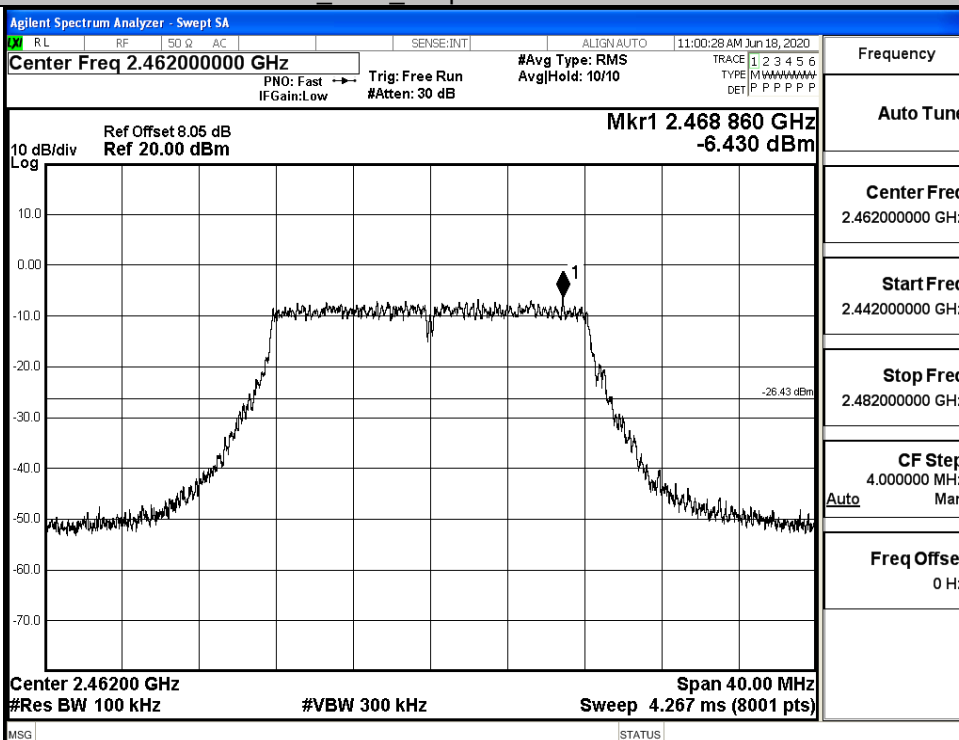


Puw/11G/MCH

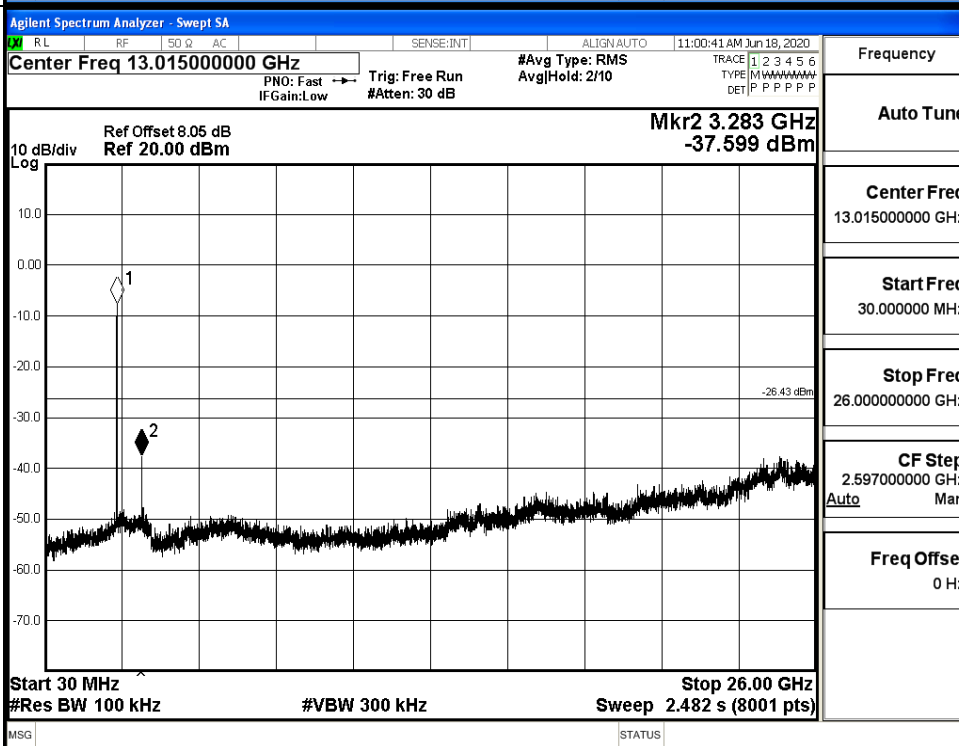


11G HCH Graphs

Pref/11G/HCH

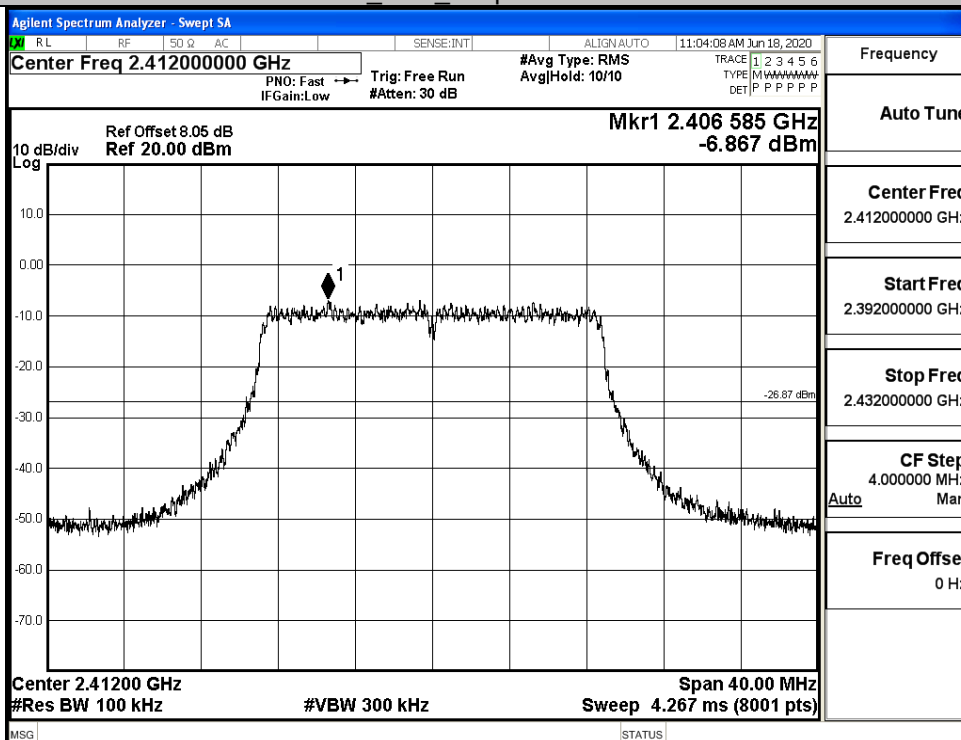


Puw/11G/HCH

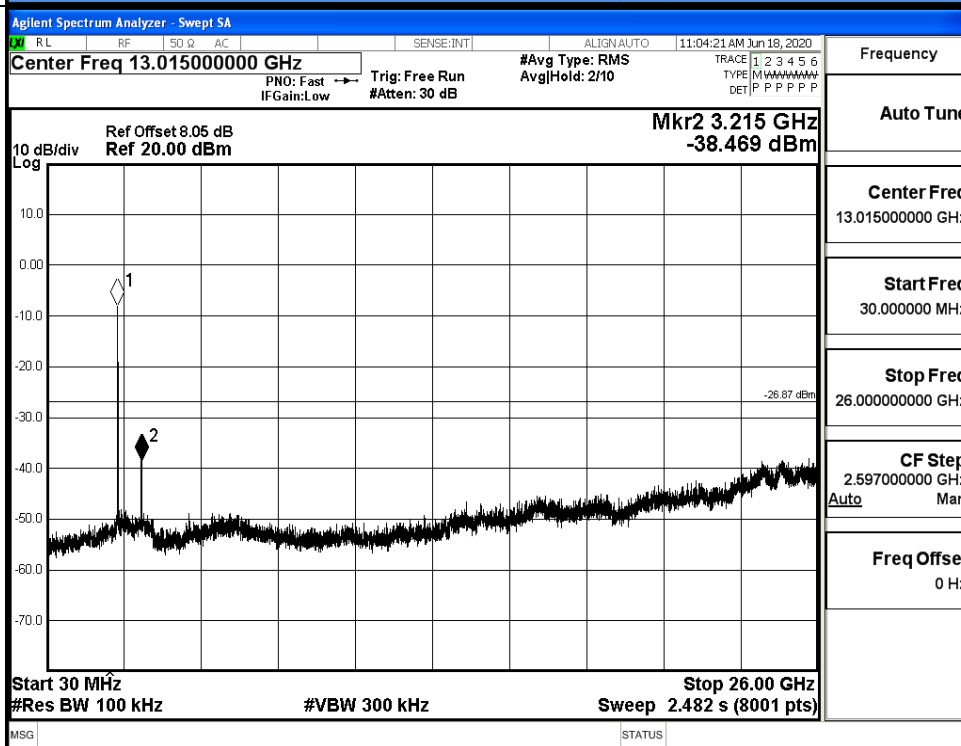


11N20SISO LCH Graphs

Pref/11N20SIS
O/LCH

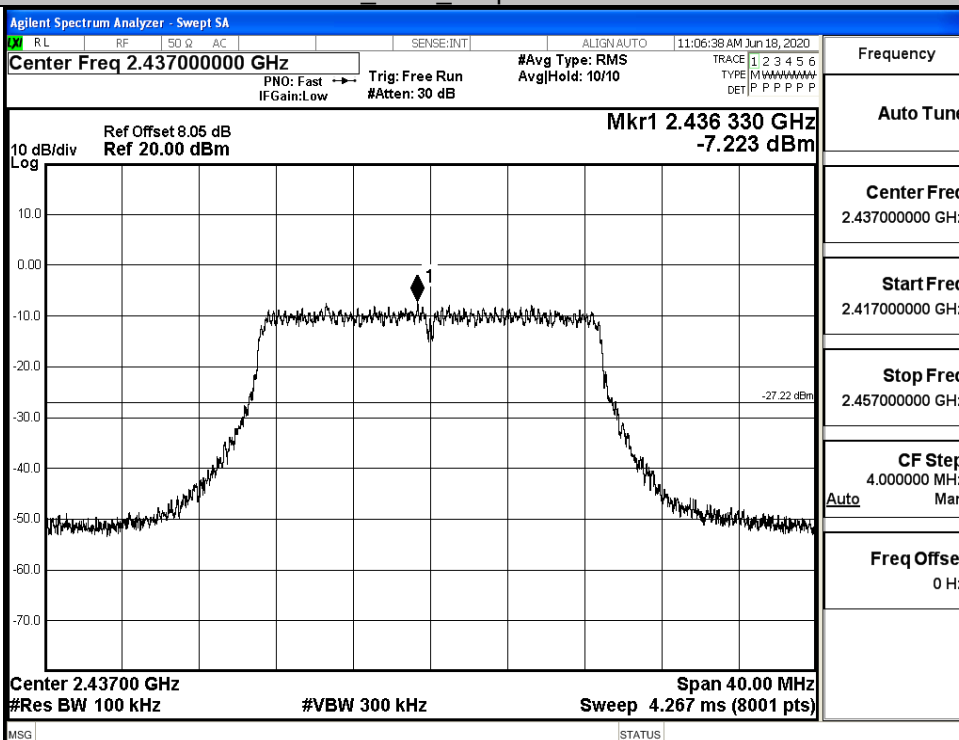


Puw/11N20
SISO/LCH

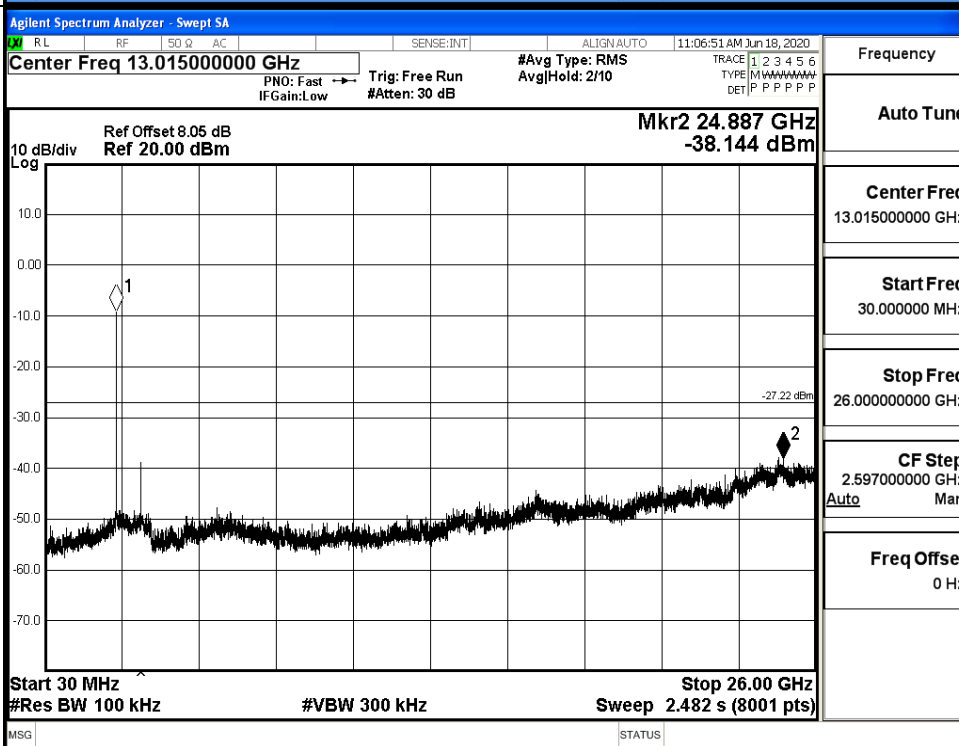


11N20SISO_MCH_Graphs

Pref/11N20
SISO/MCH

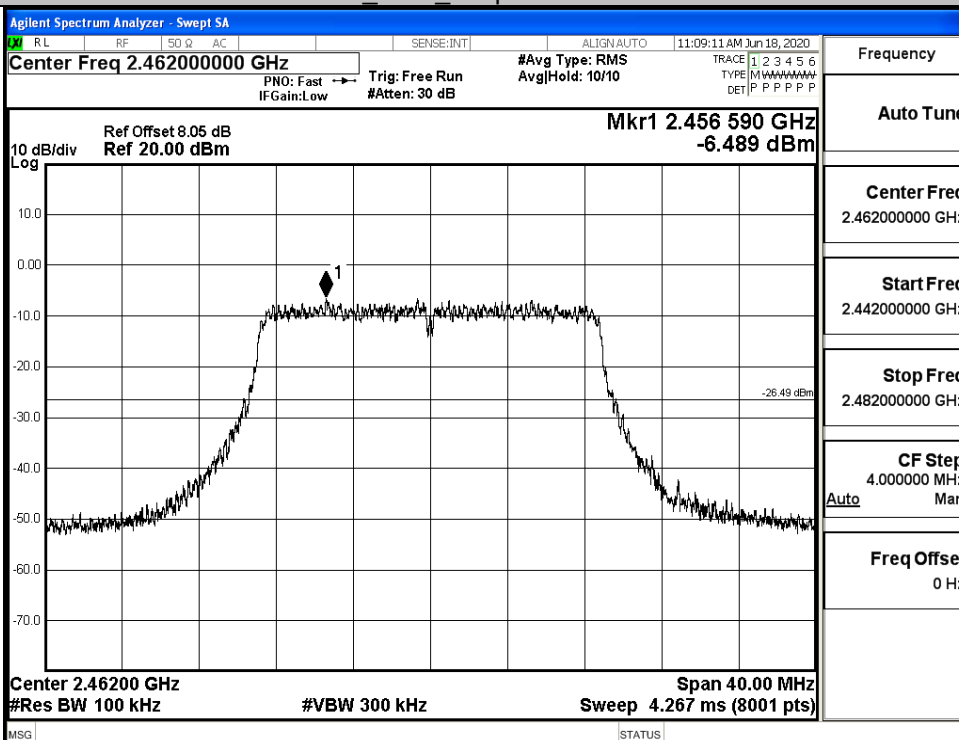


Puw/11N20
SISO/MCH



11N20SISO HCH Graphs

Pref/11N20
SISO/HCH



Puw/11N20
SISO/HCH

