

Appendix A

RF Test Data for 2.4G (Conducted Measurement)

Product Name: Digital SRS Transmitter

Trade Mark: Miyoshi Limited

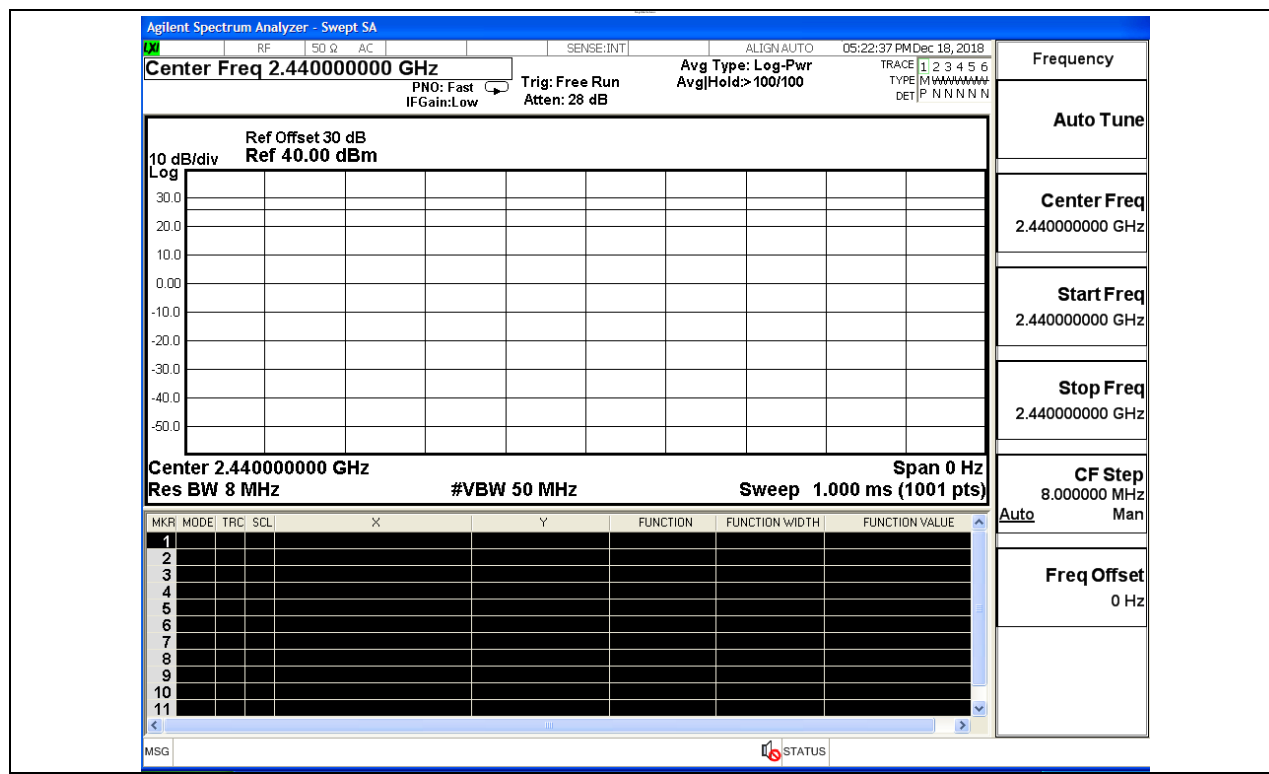
Test Model: COFSRS-SEC-SIH-TX

Environmental Conditions

Temperature:	22.6° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Tom Liu

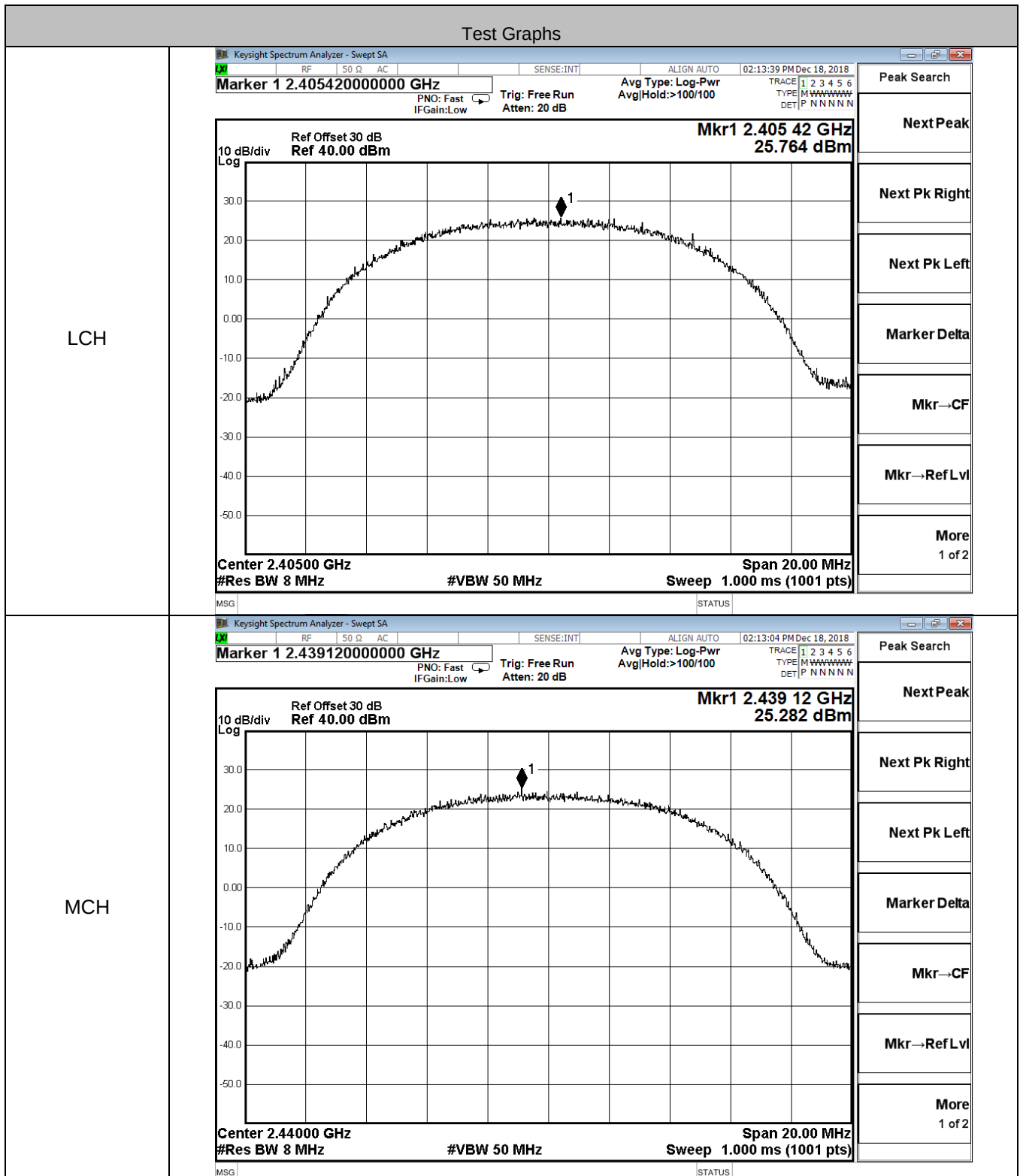
A.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
2.4G	2440	Ant1	100	PASS

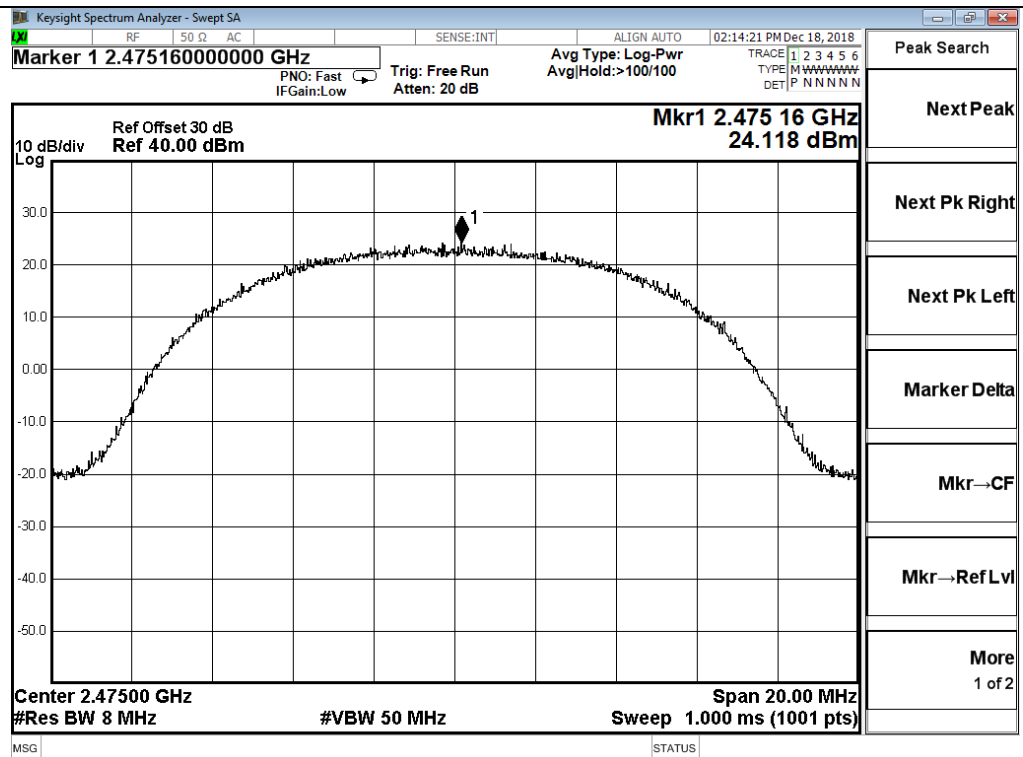


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
2.4G	LCH	25.764	30	PASS
2.4G	MCH	25.282	30	PASS
2.4G	HCH	24.118	30	PASS



HCH

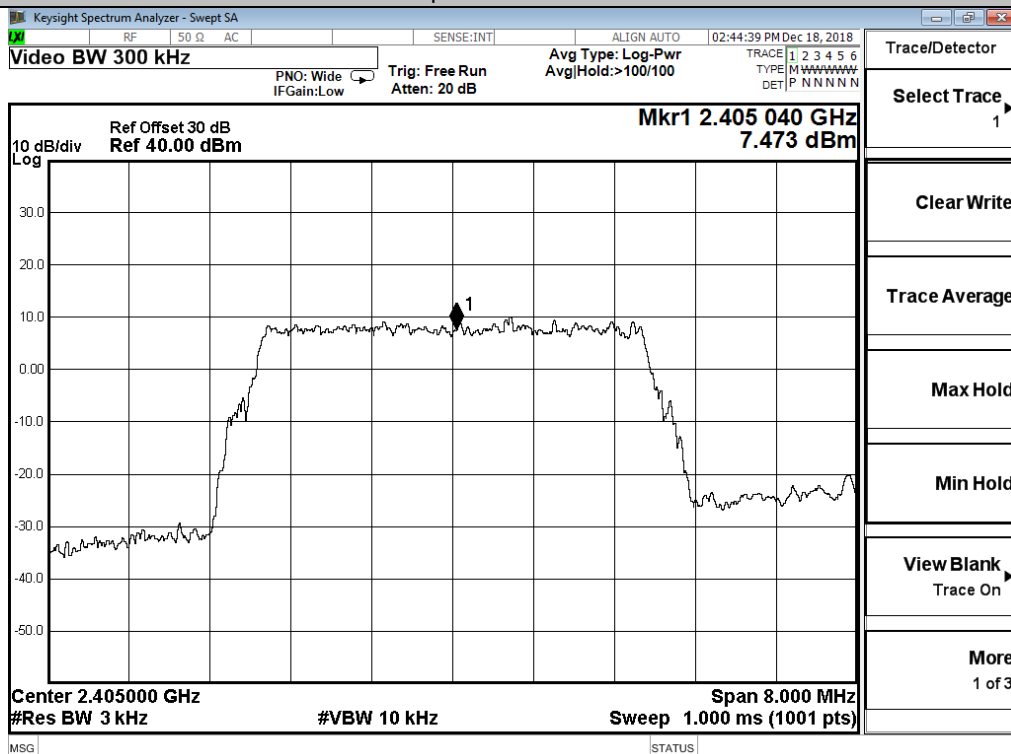


A.3 Maximum Power Spectral Density

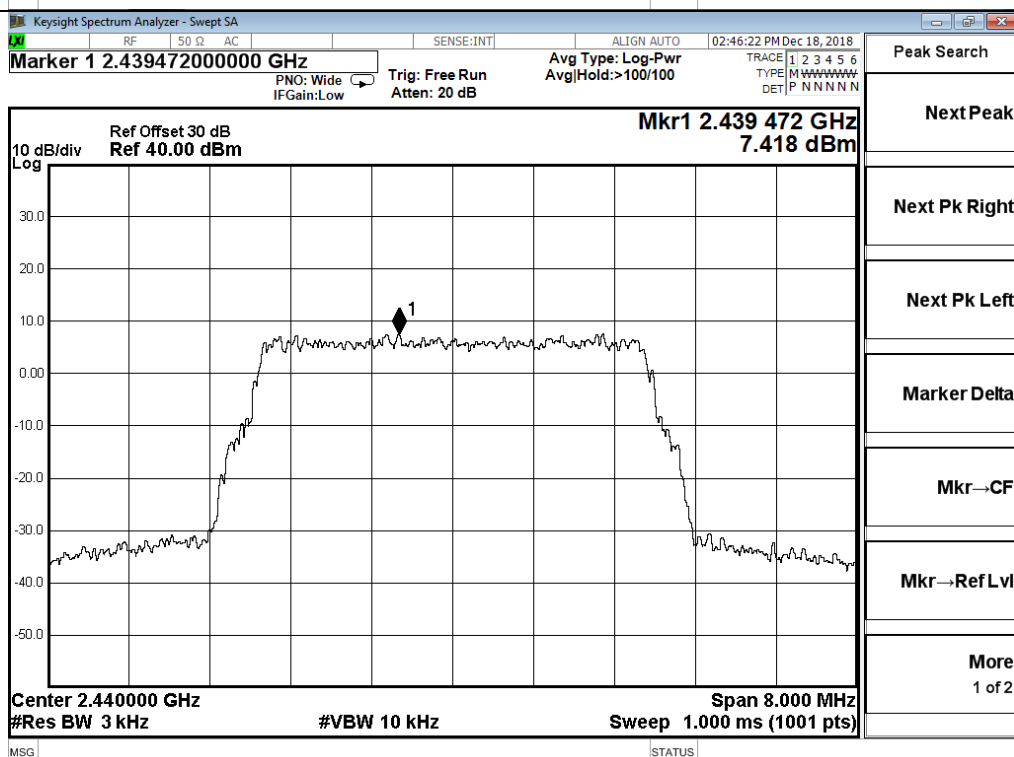
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
2.4G	LCH	7.473	8	PASS
2.4G	MCH	7.418	8	PASS
2.4G	HCH	7.175	8	PASS

Test Graphs

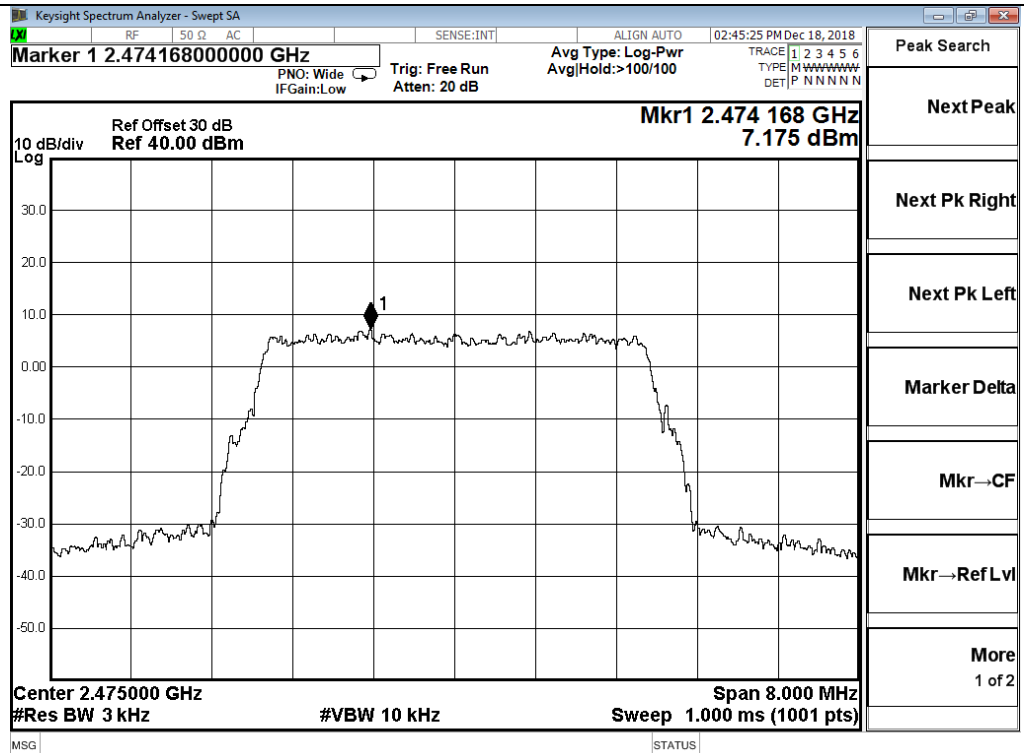
LCH



MCH



HCH

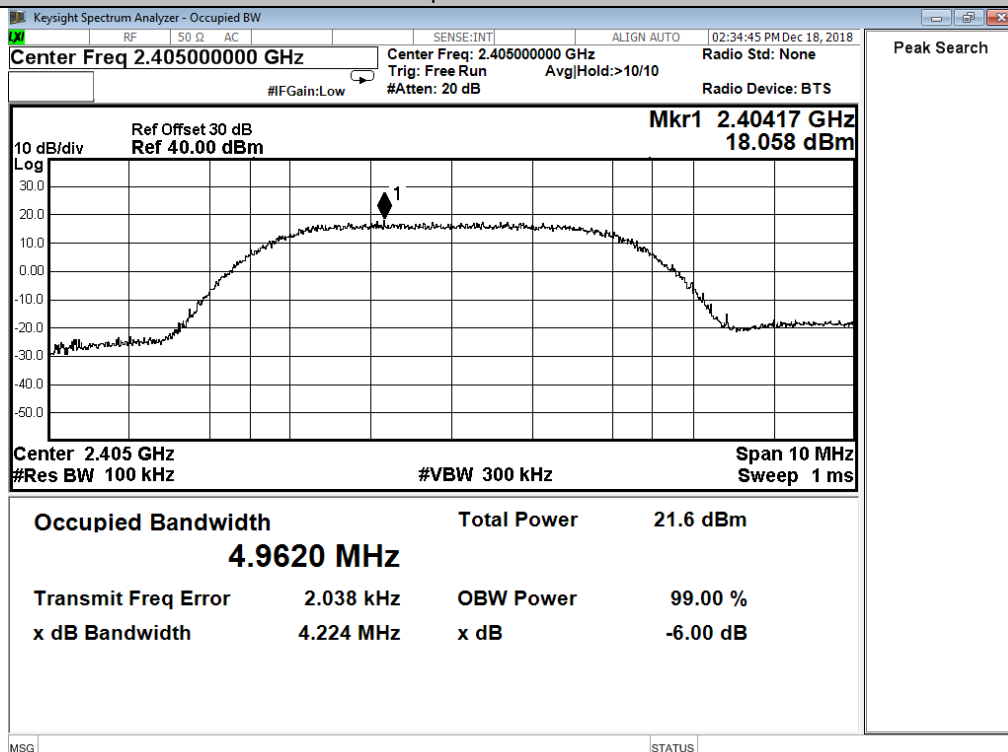


A.4 6dB Bandwidth

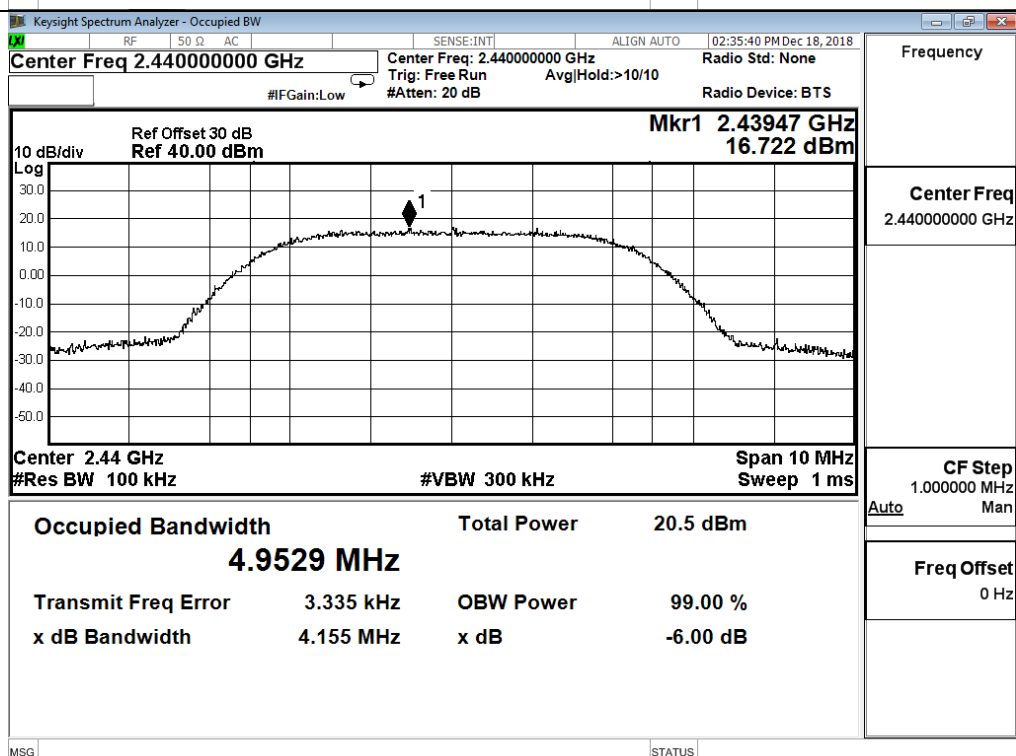
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
2.4G	LCH	4.224	≥ 0.5	PASS
2.4G	MCH	4.155	≥ 0.5	PASS
2.4G	HCH	4.338	≥ 0.5	PASS

Test Graphs

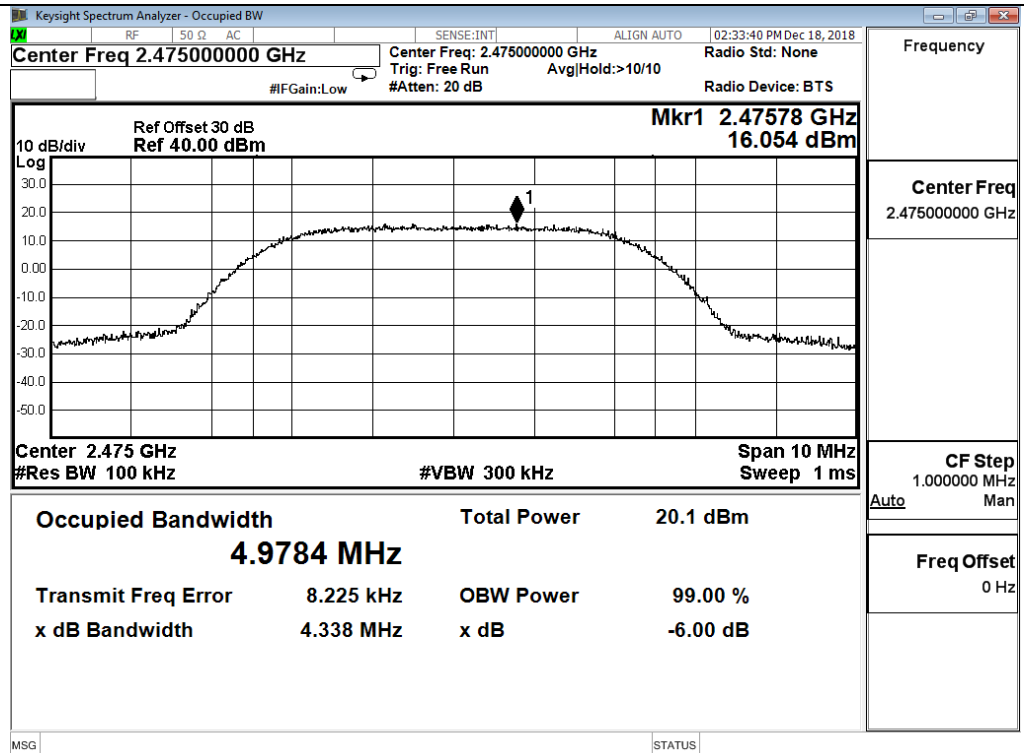
LCH



MCH

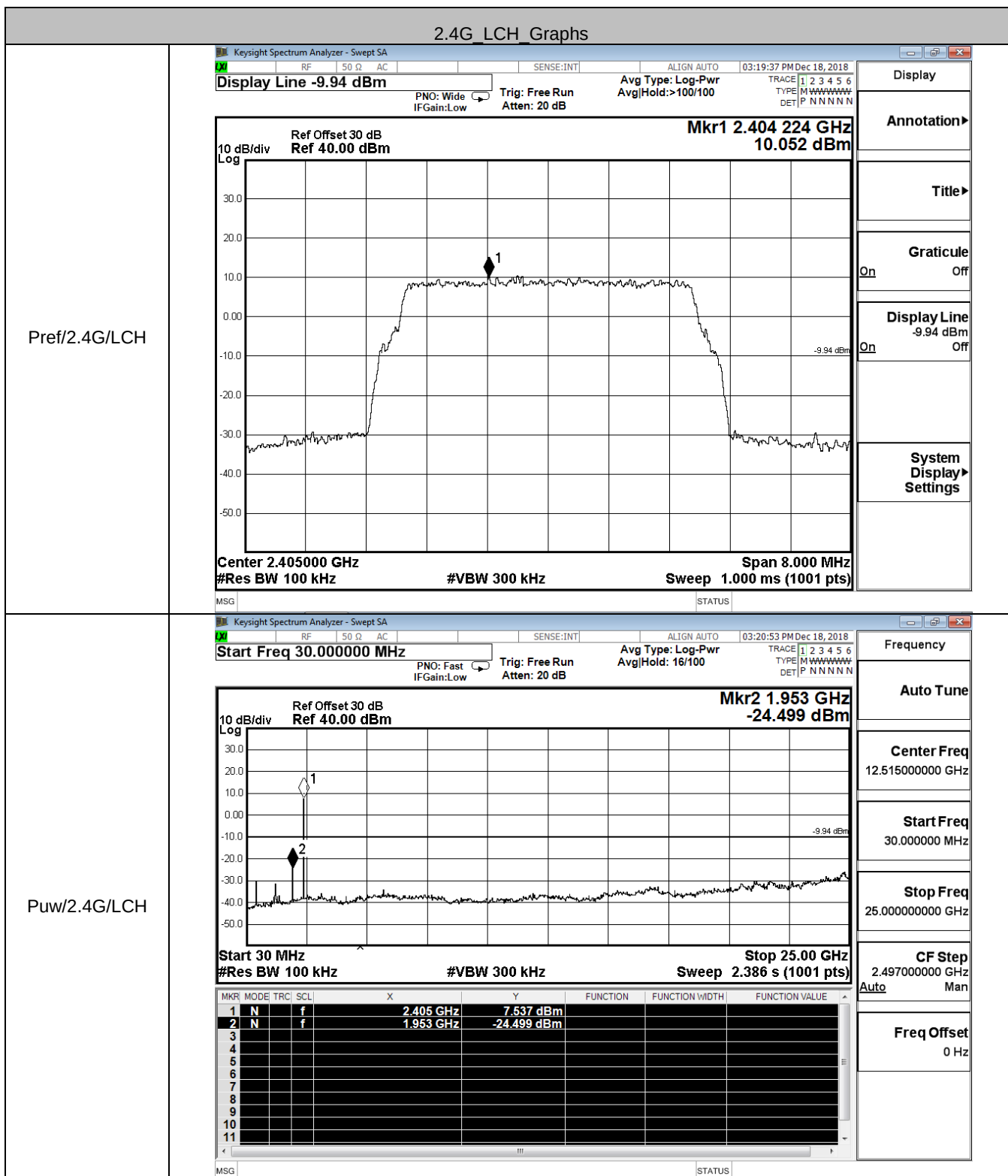


HCH



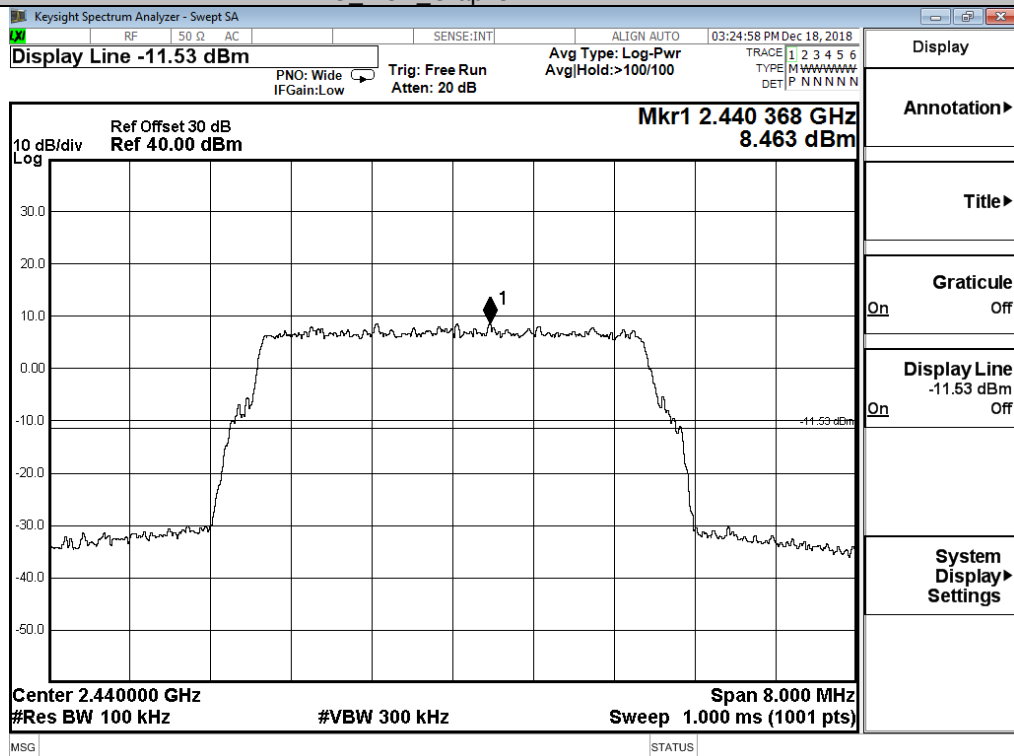
A.6 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
2.4G	LCH	10.052	-24.499	-9.94	PASS
2.4G	MCH	8.463	-32.520	-11.53	PASS
2.4G	HCH	7.104	-30.130	-12.09	PASS

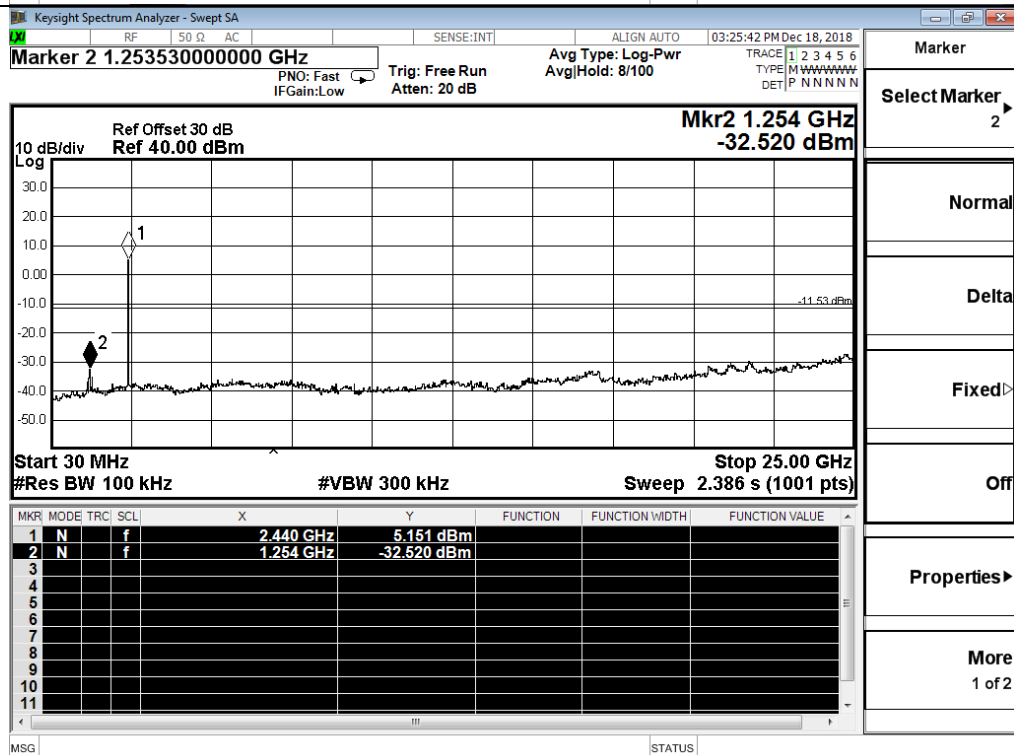


2.4G_MCH_Graphs

Pref/2.4G/MCH

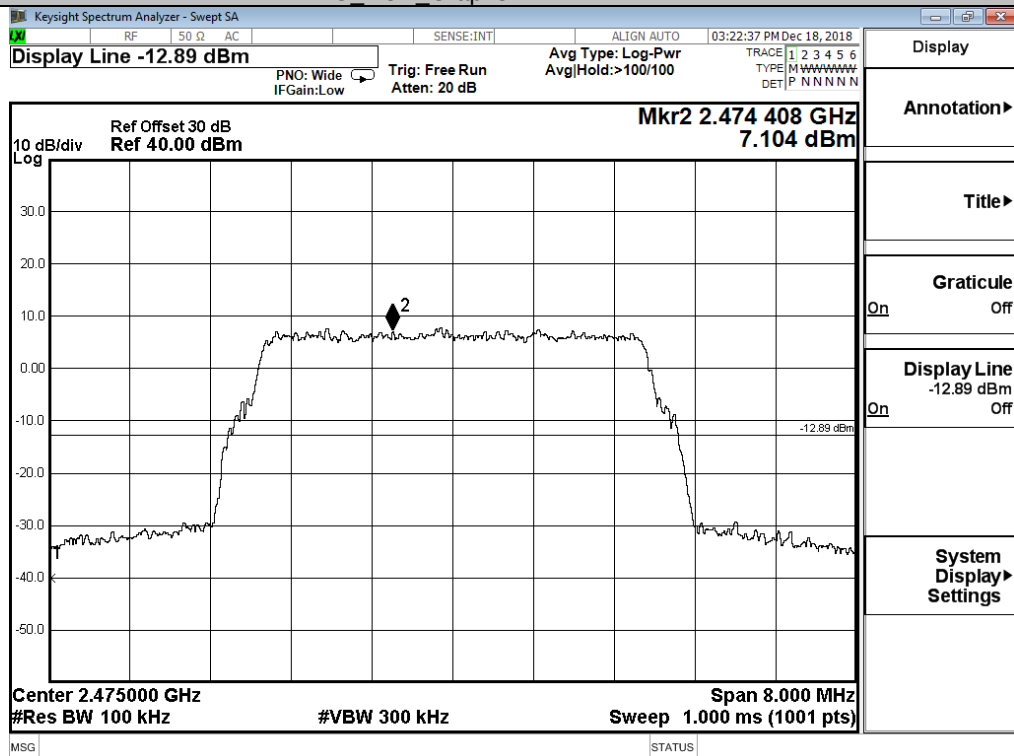


Puw/2.4G/MCH

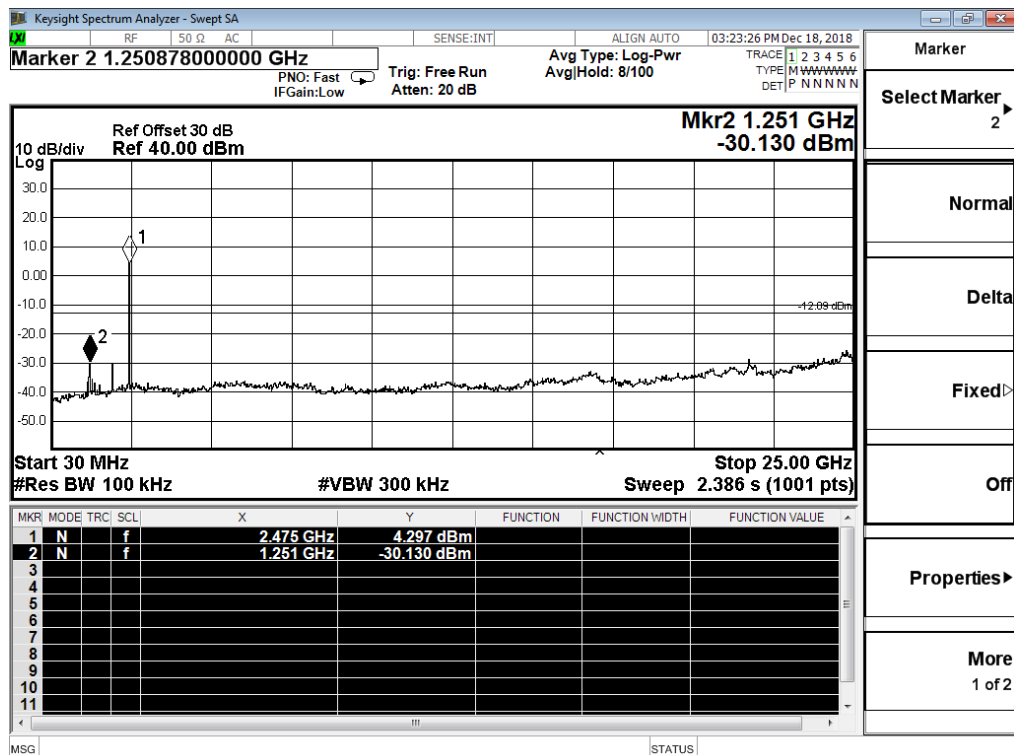


2.4G_HCH_Graphs

Pref/2.4G/HCH



Puw/2.4G/HCH

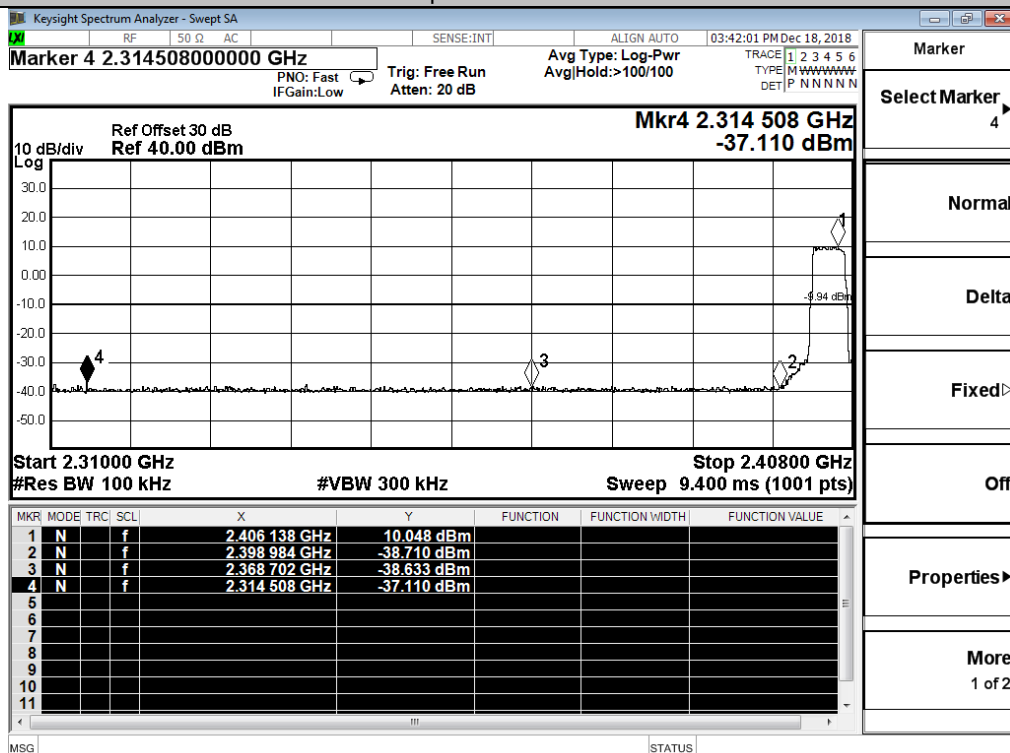


A.7 Band-edge for RF Conducted Emissions

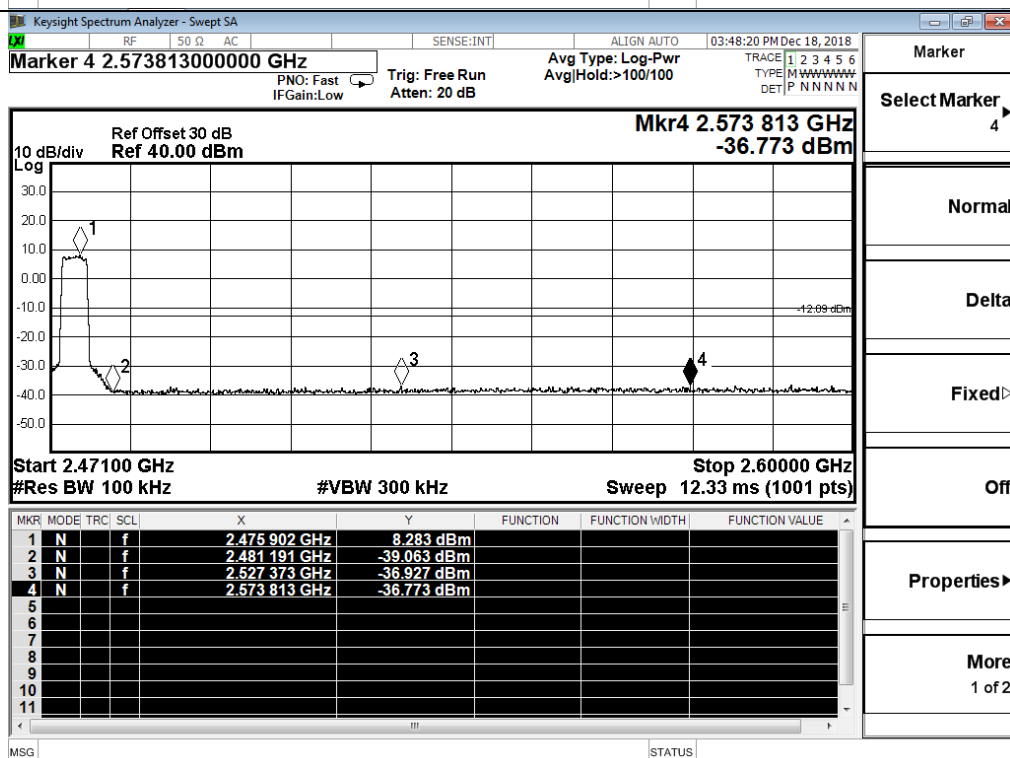
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
2.4G	LCH	10.048	-37.110	-9.94	PASS
2.4G	HCH	8.283	-36.773	-12.09	PASS

Test Graphs

LCH



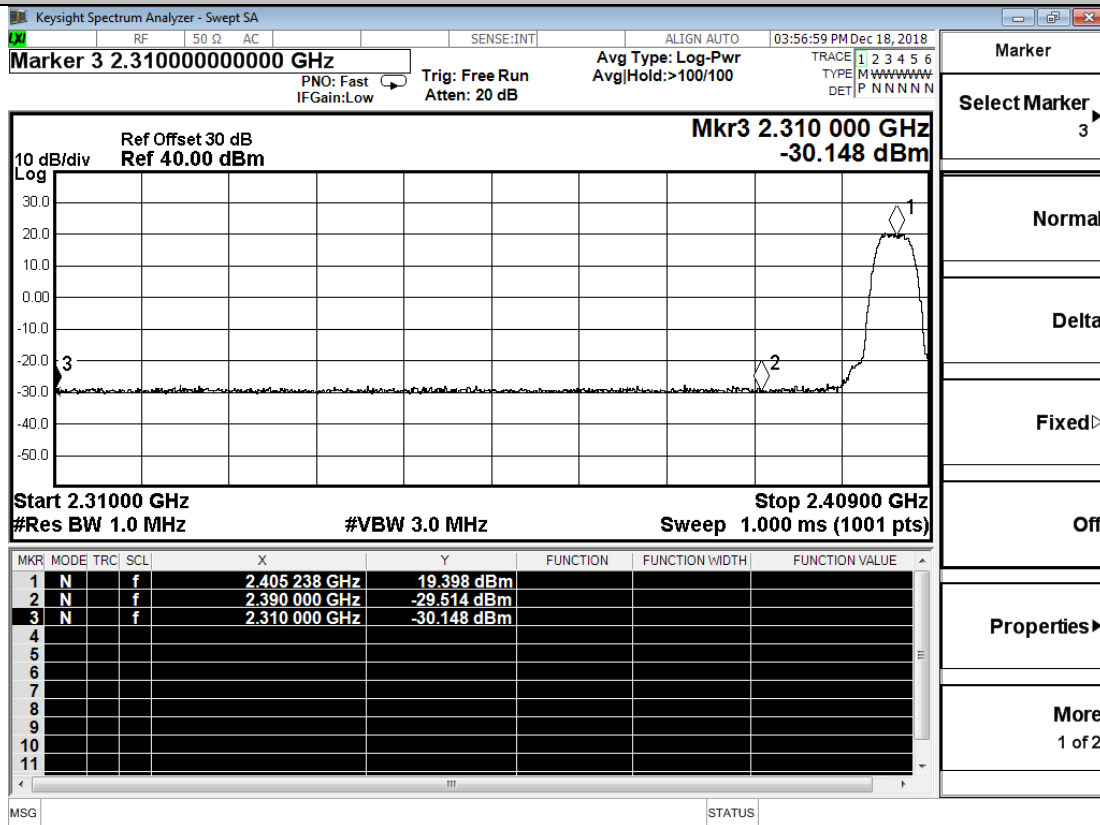
HCH



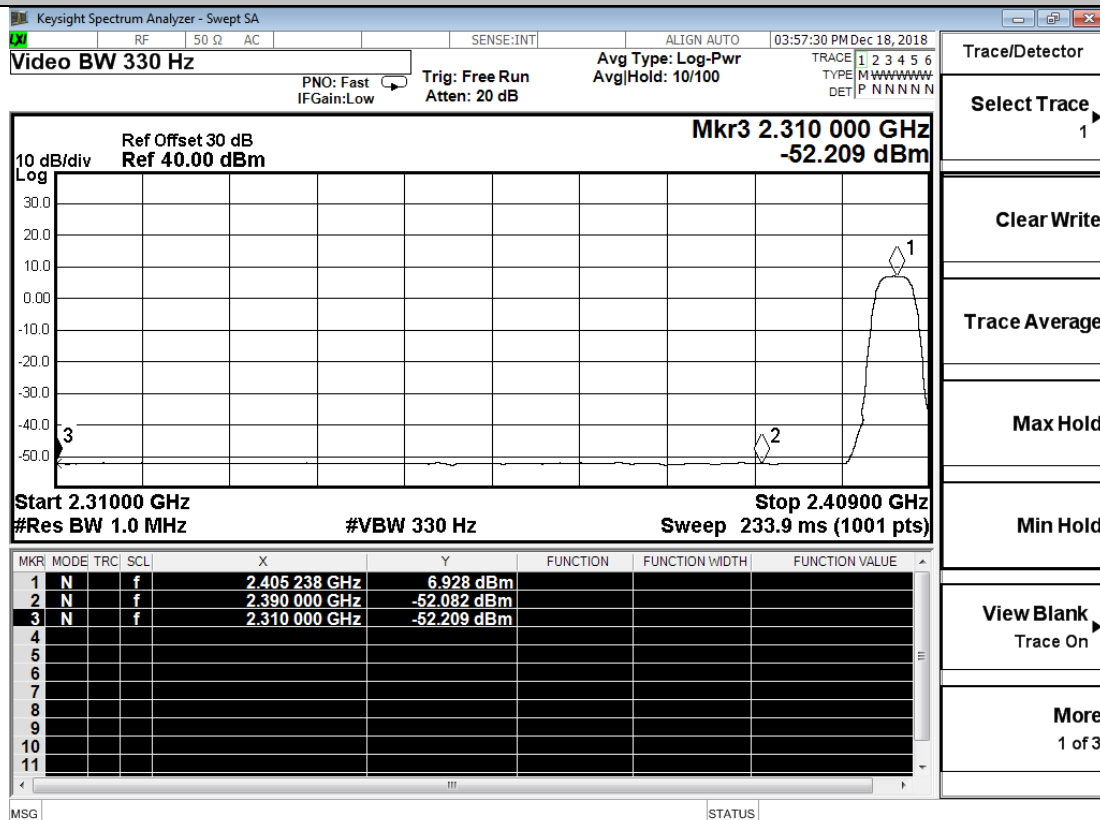
A.8 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
2.4G	2405	Ant1	2310.0	-30.148	5.5	0	70.580	PEAK	74	PASS
		Ant1	2310.0	-52.209	5.5	0	48.519	AV	54	PASS
		Ant1	2390.0	-29.514	5.5	0	71.214	PEAK	74	PASS
		Ant1	2390.0	-52.082	5.5	0	48.646	AV	54	PASS
	2475	Ant1	2483.5	-35.291	5.5	0	65.437	PEAK	74	PASS
		Ant1	2483.5	-50.049	5.5	0	50.679	AV	54	PASS
		Ant1	2500.0	-40.165	5.5	0	60.563	PEAK	74	PASS
		Ant1	2500.0	-51.746	5.5	0	48.982	AV	54	PASS

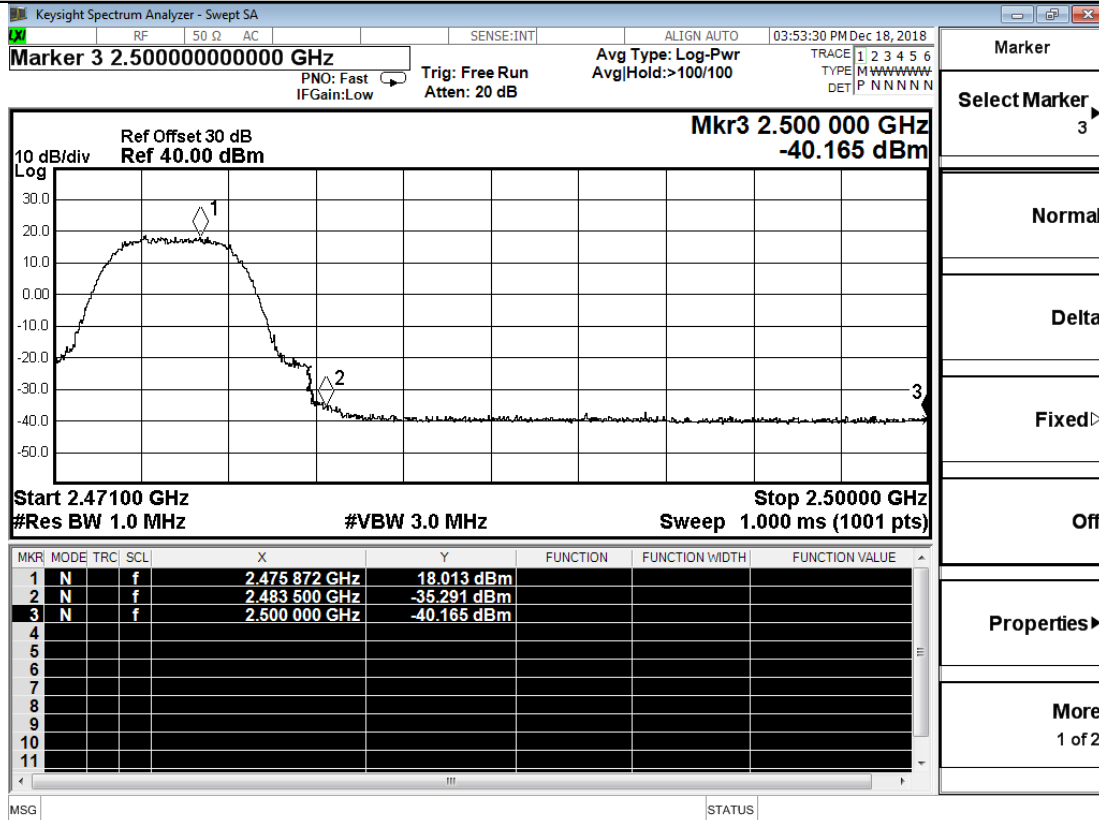
Restrict-band band-edge measurements_2.4G_2405_Ant1_PEAK



Restrict-band band-edge measurements_2.4G_2405_Ant1_AV



Restrict-band band-edge measurements_2.4G_2475_Ant1_PEAK



Restrict-band band-edge measurements_2.4G_2475_Ant1_AV

