



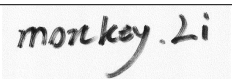
Appendix A

RF Test Data (Conducted Measurement)

Product Name: Sigfox Connected Seal

Test Model: Sigfox France

Environmental Conditions

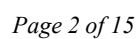
Temperature:	23.5°C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	 Monkey Li
Supervised by:	 Li Huan

A.1 Maximum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
RF ID	LCH	10.643	30	PASS
	MCH	10.635	30	PASS
	HCH	10.642	30	PASS

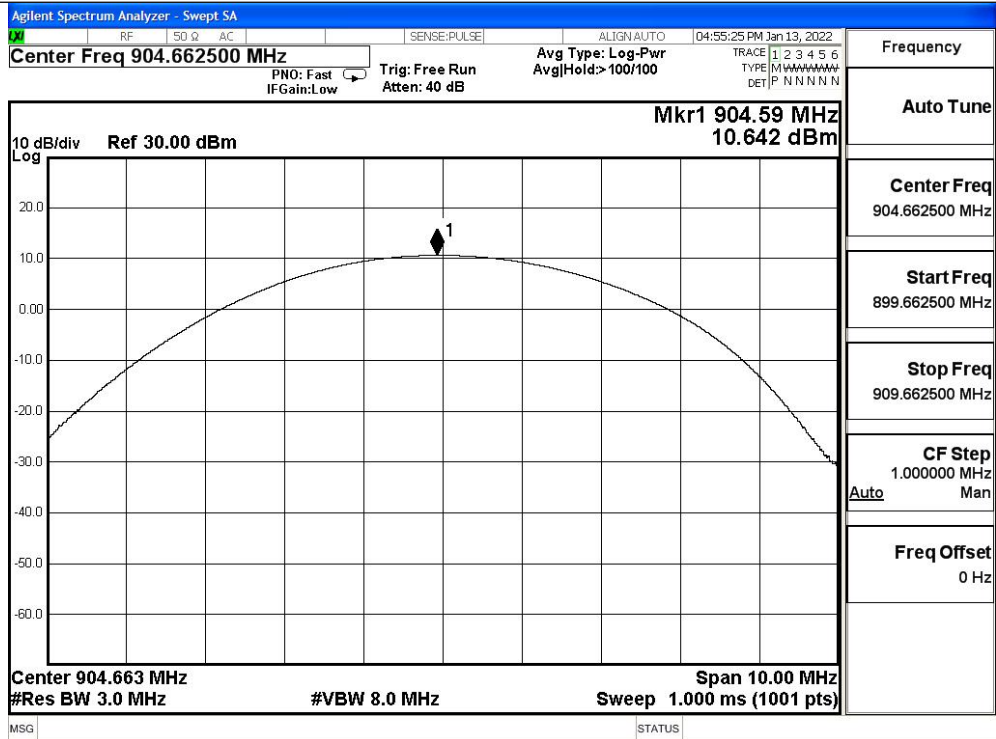


RF ID/LCH





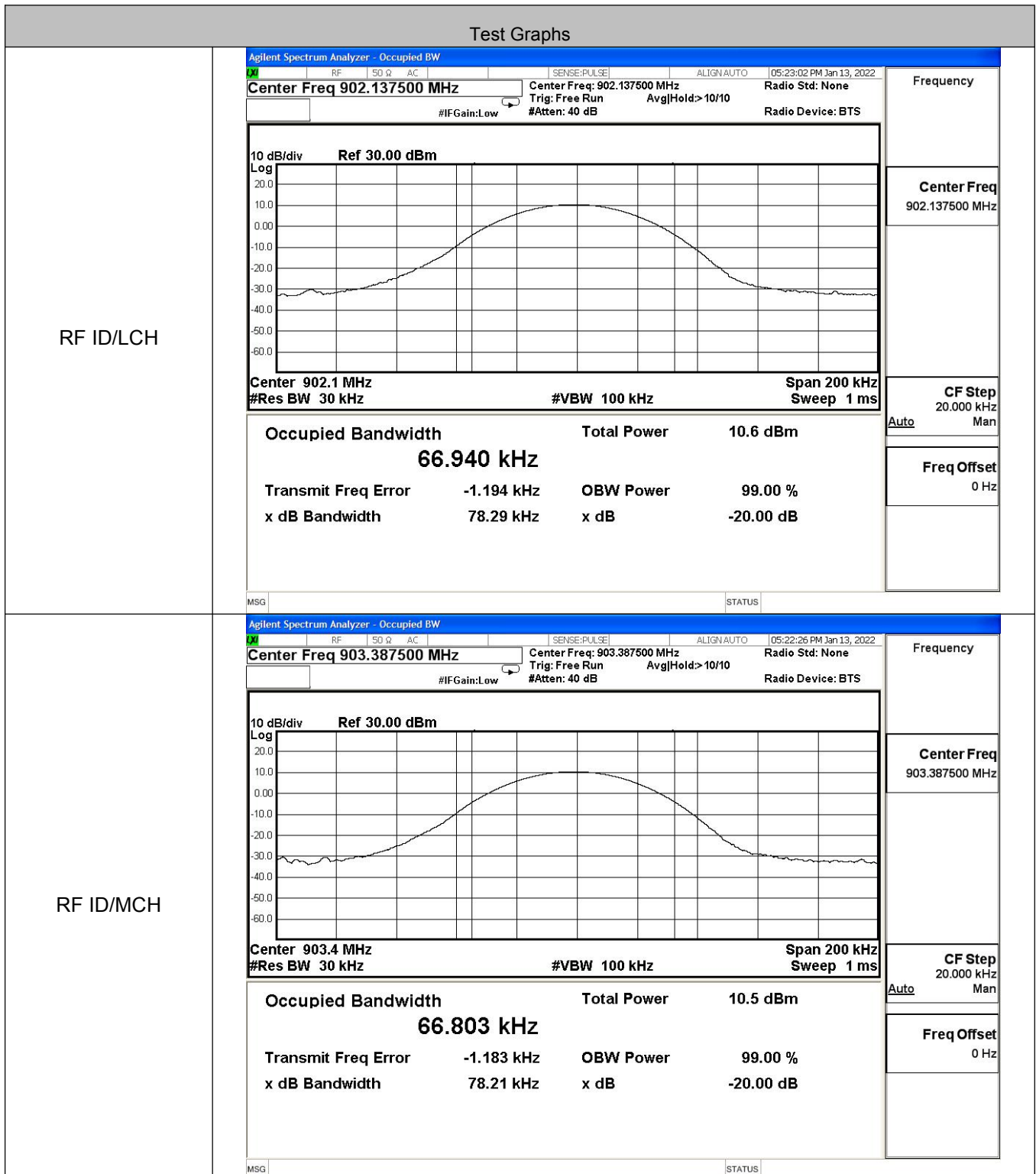
RF ID/HCH





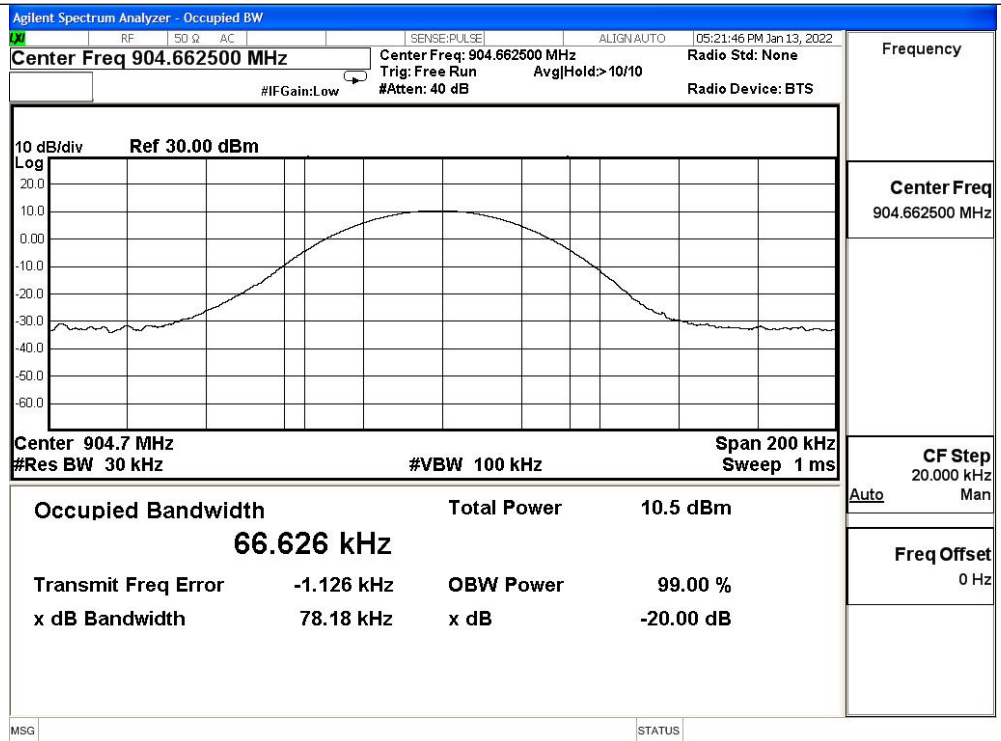
A.2 20dB Bandwidth

Mode	Channel.	20dB Bandwidth [KHz]	Limit [KHz]	Verdict
RF ID	LCH	78.29	Not Specified	PASS
	MCH	78.21	Not Specified	PASS
	HCH	78.18	Not Specified	PASS





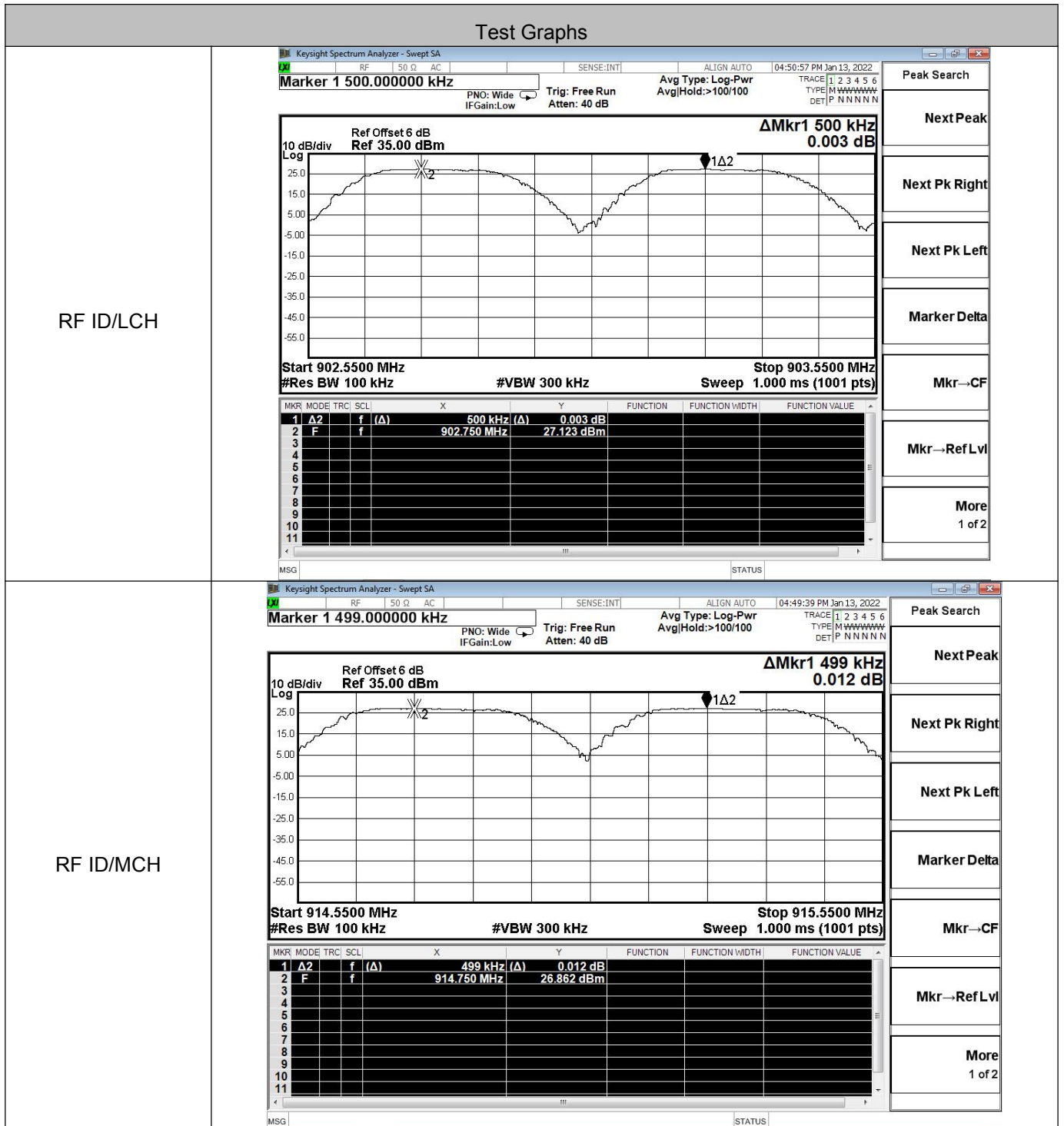
RF ID/HCH





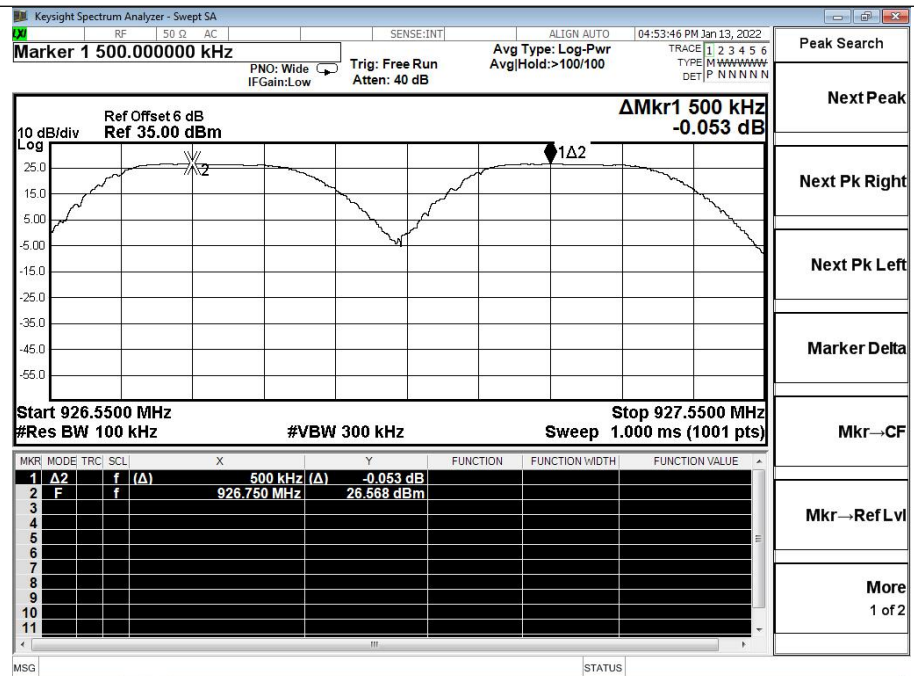
A.3 Carrier Frequency Separation

Mode	Channel.	Carrier Frequency Separation [KHz]	Limit [KHz]	Verdict
RF ID	LCH	500	52.19	PASS
	MCH	499	52.14	PASS
	HCH	500	52.12	PASS





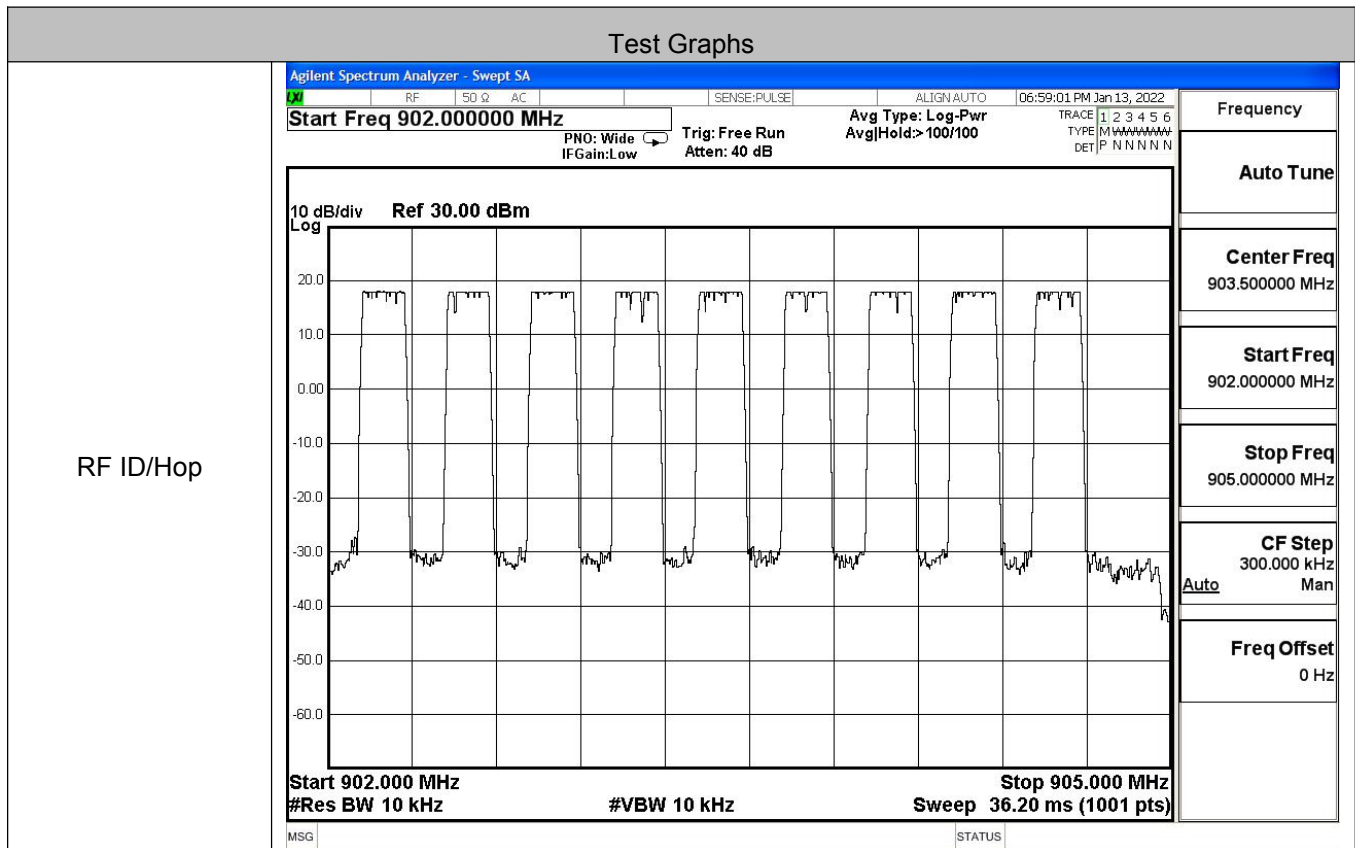
RF ID/HCH





A.4 Hopping Channel Number

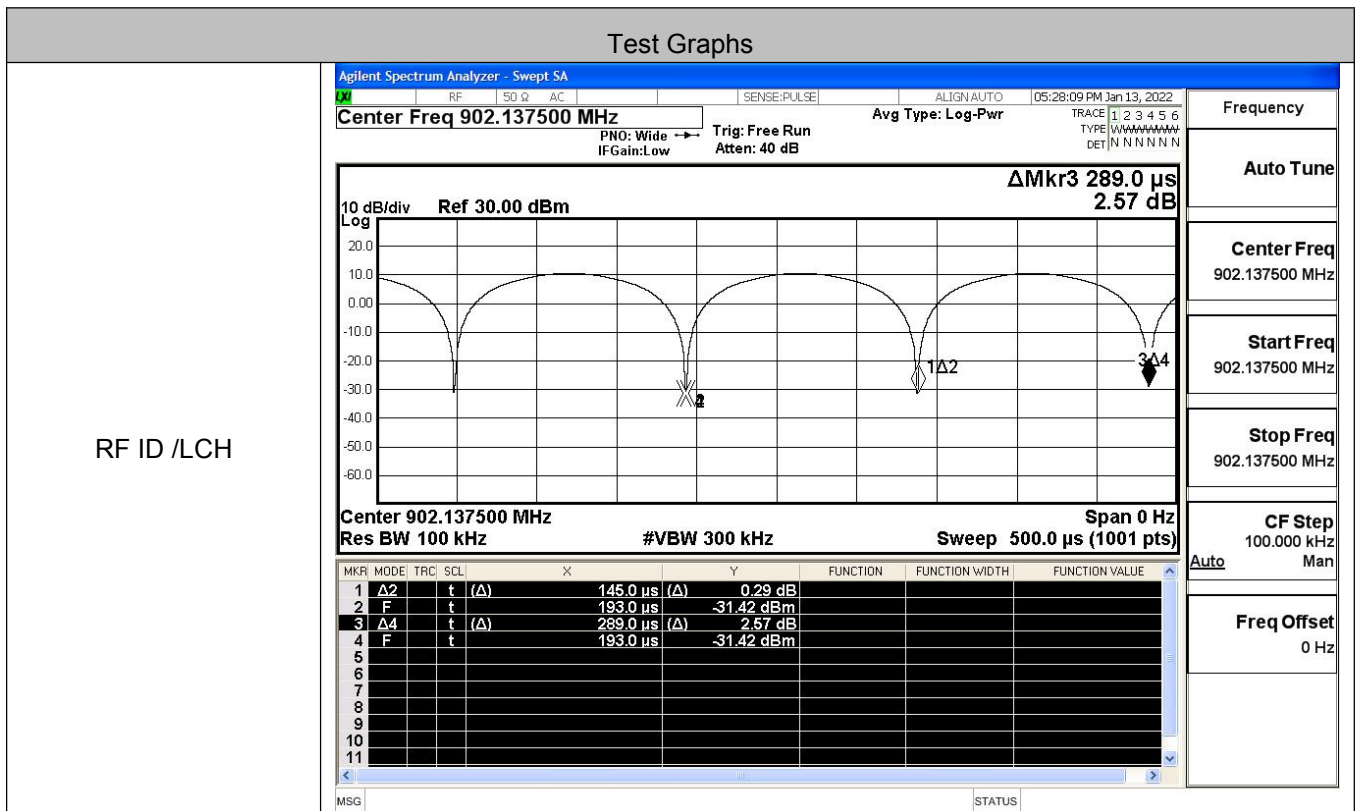
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
RF ID	Hop	54	>=50	PASS





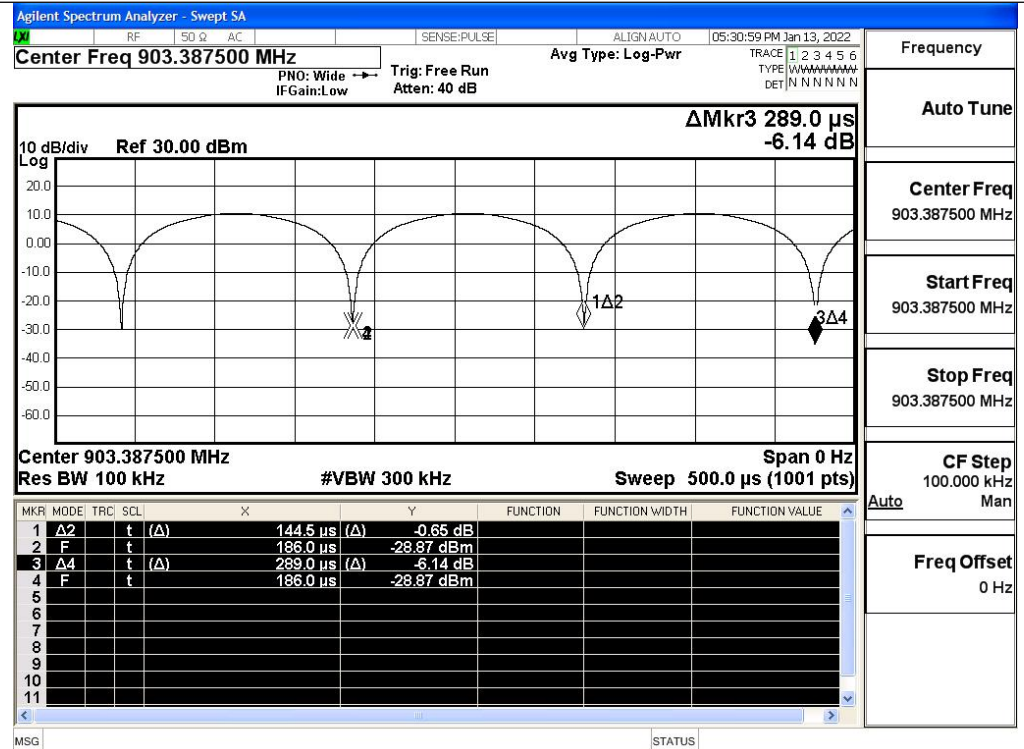
A.5 Dwell Time

Mode	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
RF ID	LCH	0.145	106.7	0.015	0.4	PASS
	MCH	0.145	106.7	0.015	0.4	PASS
	HCH	0.145	106.7	0.015	0.4	PASS

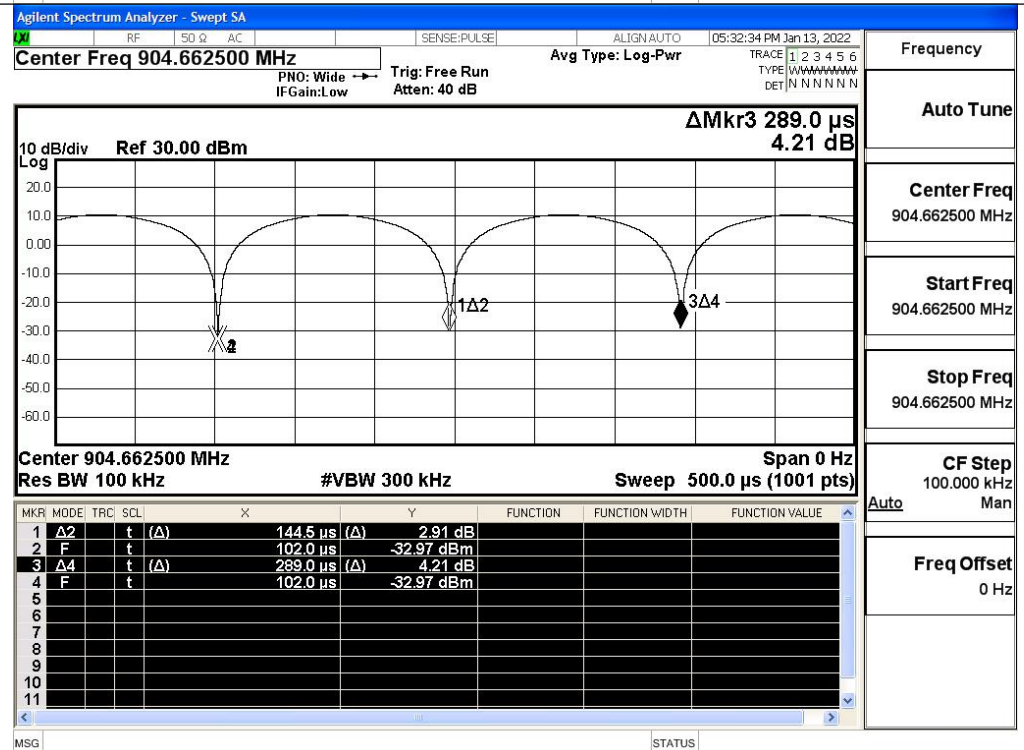




RF ID/MCH



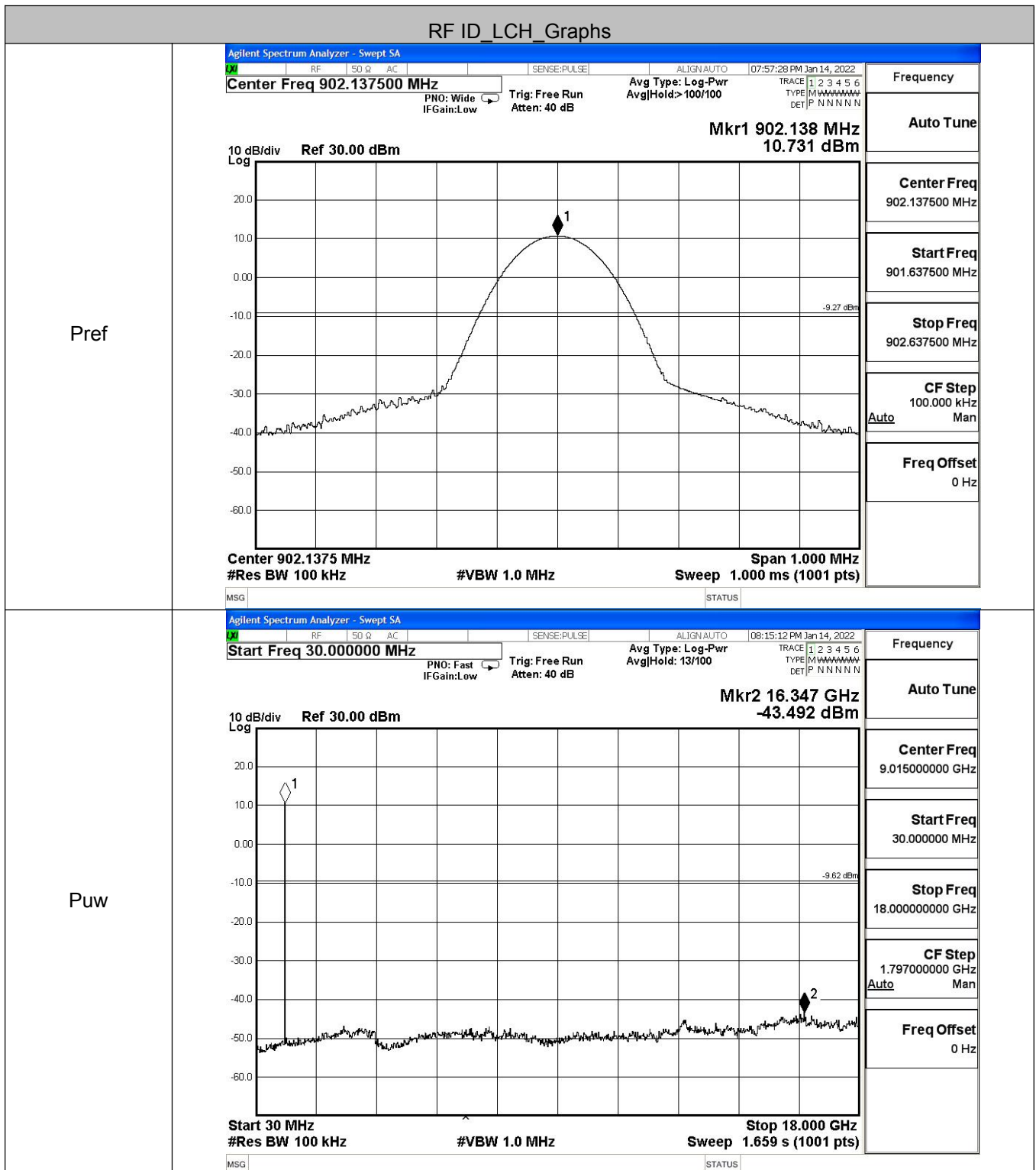
RF ID/HCH





A.6 RF Conducted Spurious Emissions

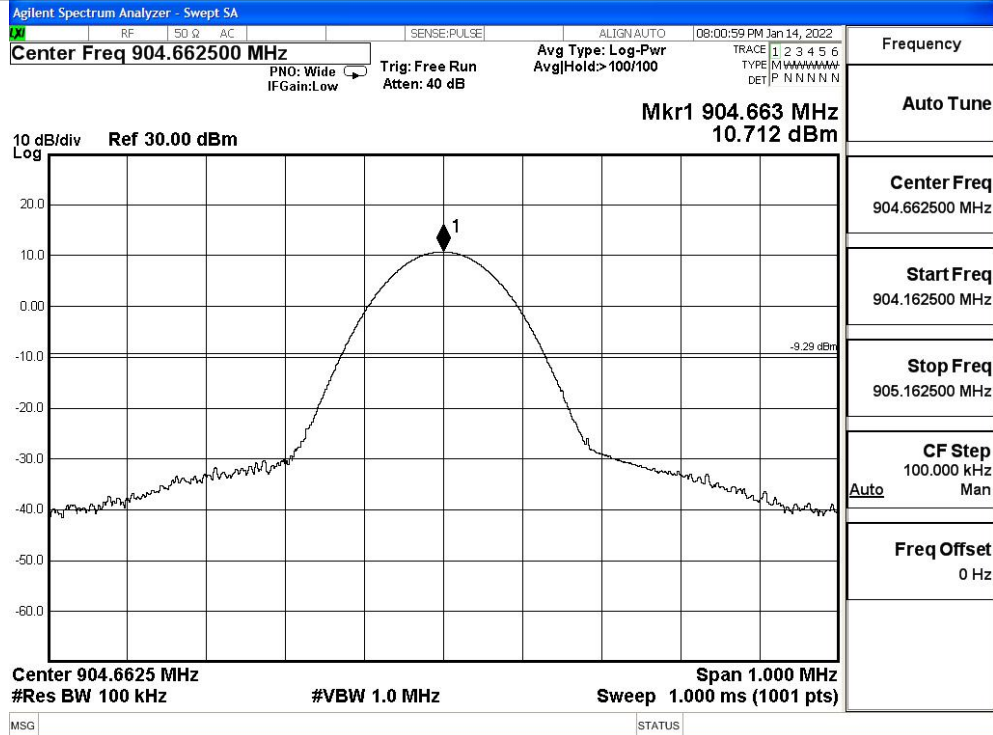
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
RF ID	LCH	10.73	-42.345	-9.27	PASS
	HCH	10.71	-43.845	-9.29	PASS



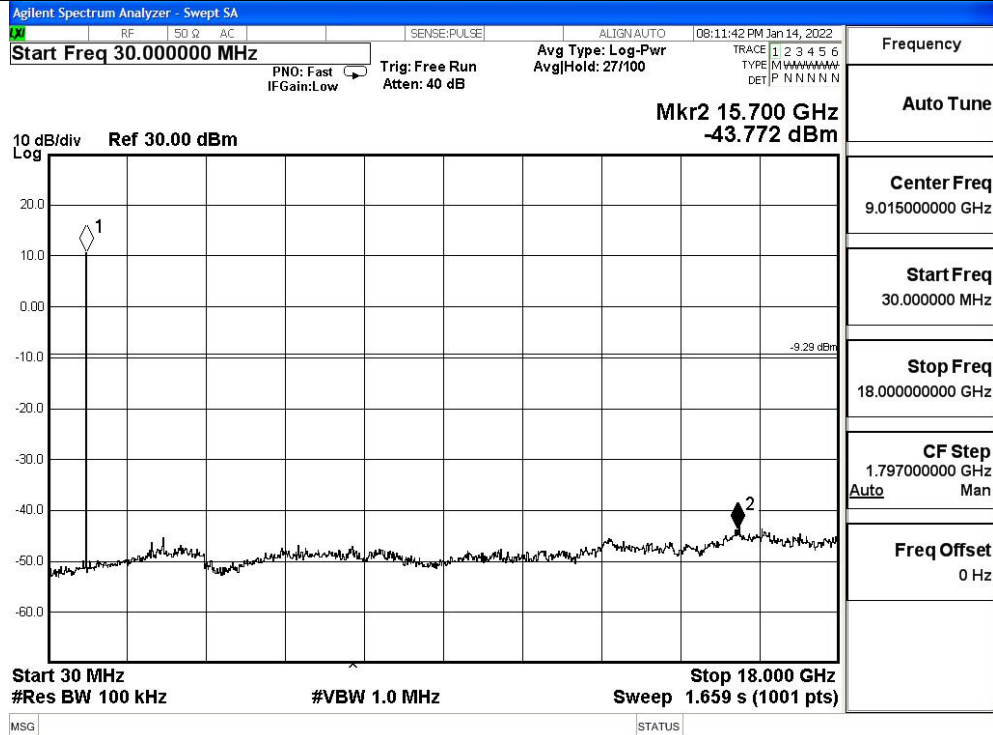


RF ID_HCH_Graphs

Pref



Puw





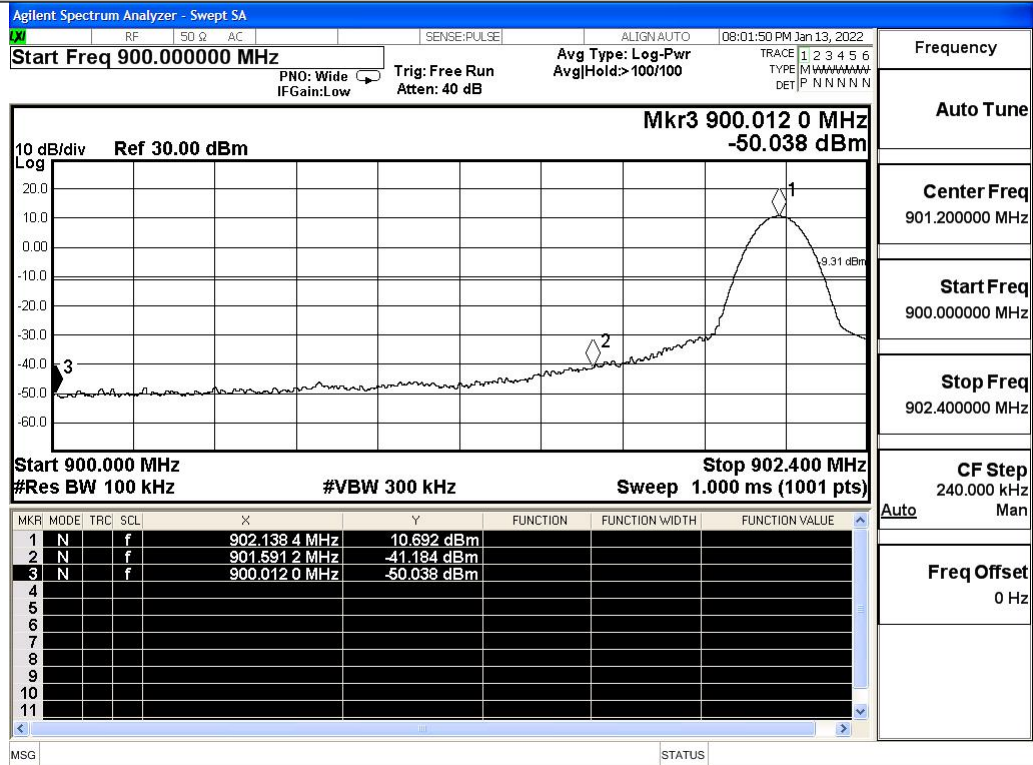
A.7 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
RF ID	LCH	902.1375	10.692	Off	-49.548	-9.31	PASS
			18.071	On	-48.221	-1.93	PASS
	HCH	904.6625	10.670	Off	-48.972	-9.33	PASS
			18.059	On	-48.582	-1.94	PASS

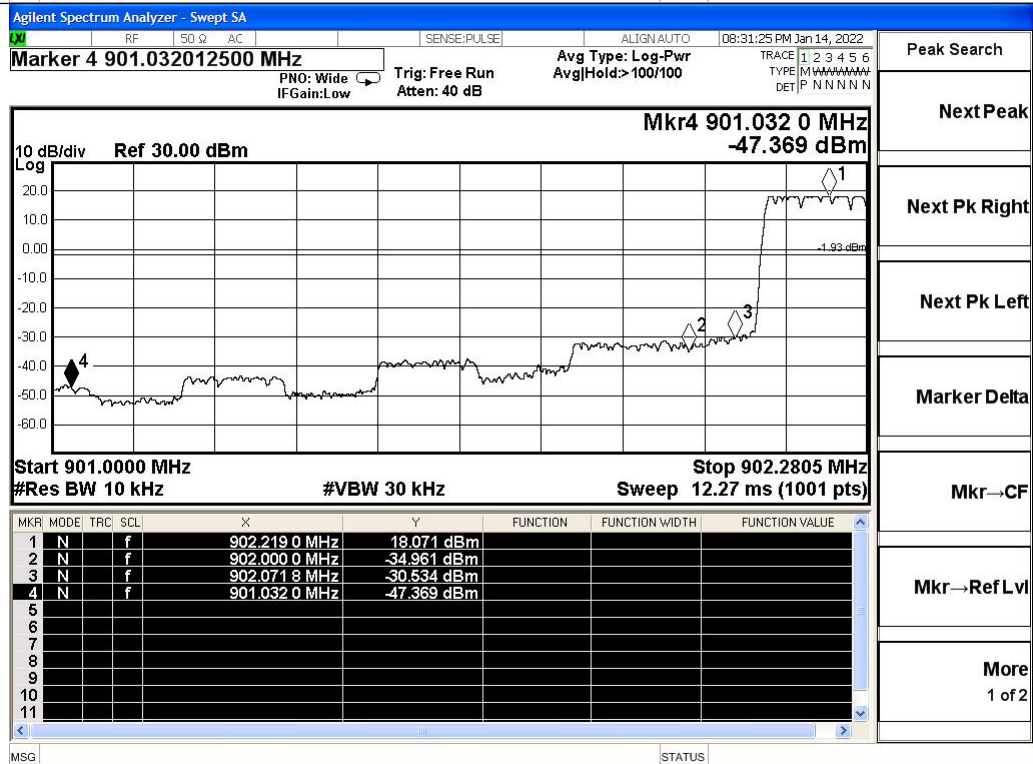


Test Graphs

RF ID/LCH/No Hop

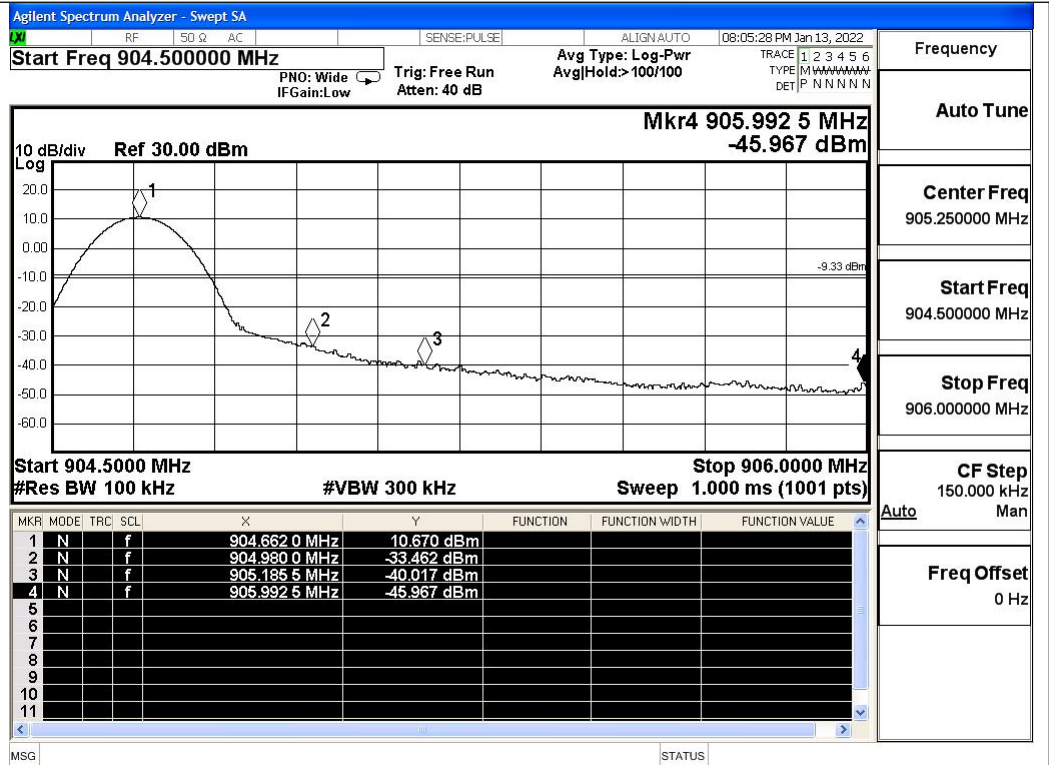


RF ID/LCH/Hop





RF ID/HCH/No Hop



RF ID/HCH/Hop

