

Appendix A

RF Test Data for SRD (Conducted Measurement)

Product Name: MCT245

Trade Mark: Kar-Tech

Test Model: VC208

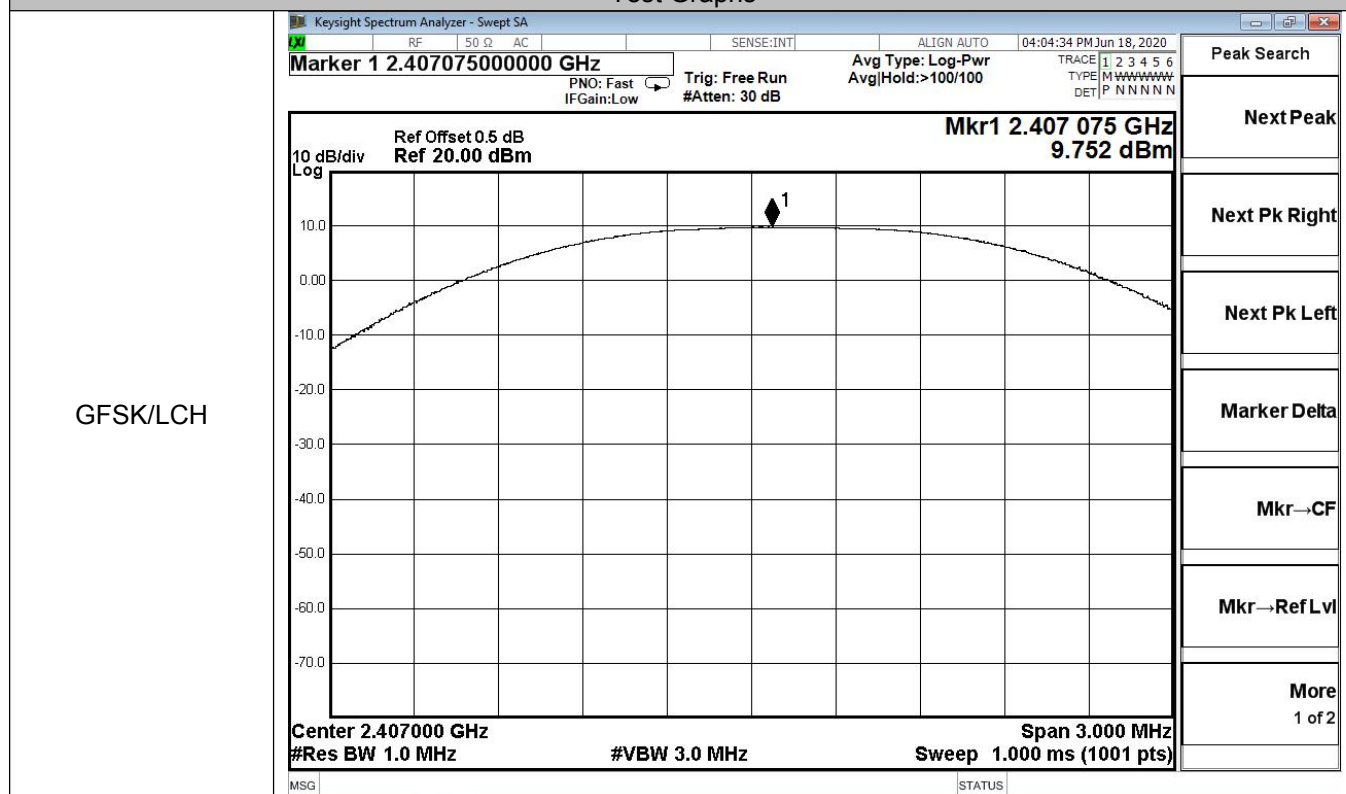
Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Tom.Liu

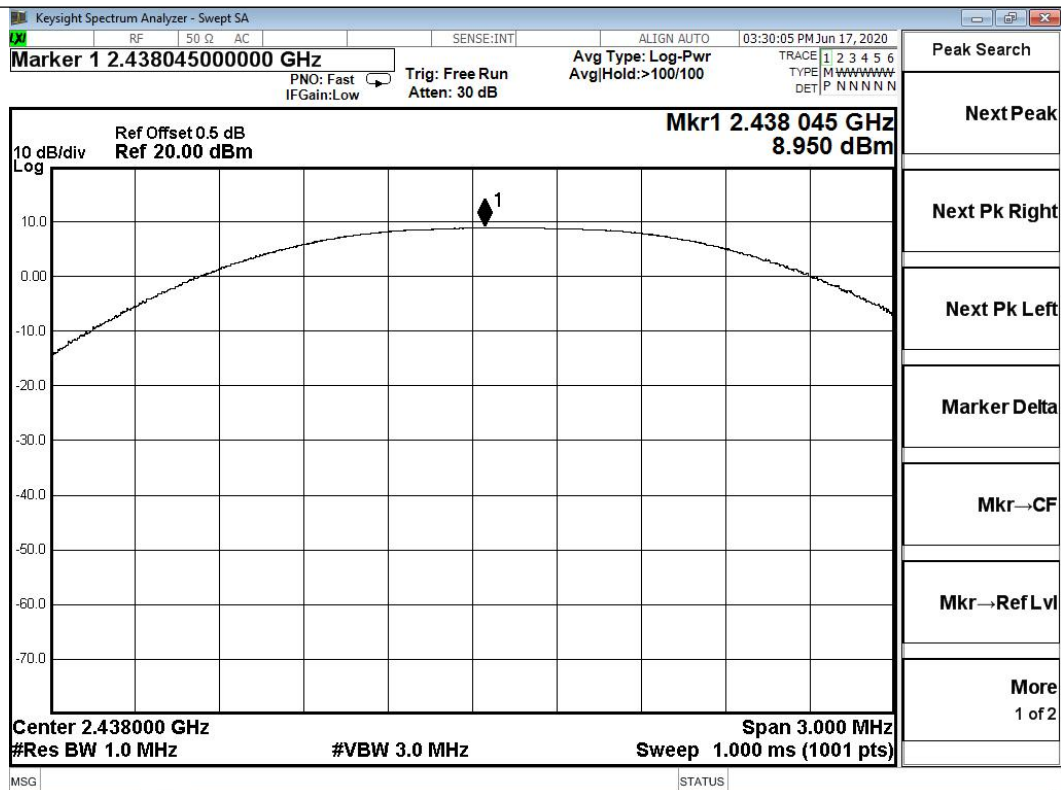
A.1 Maximum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	9.752	21	PASS
	MCH	8.950	21	PASS
	HCH	5.798	21	PASS

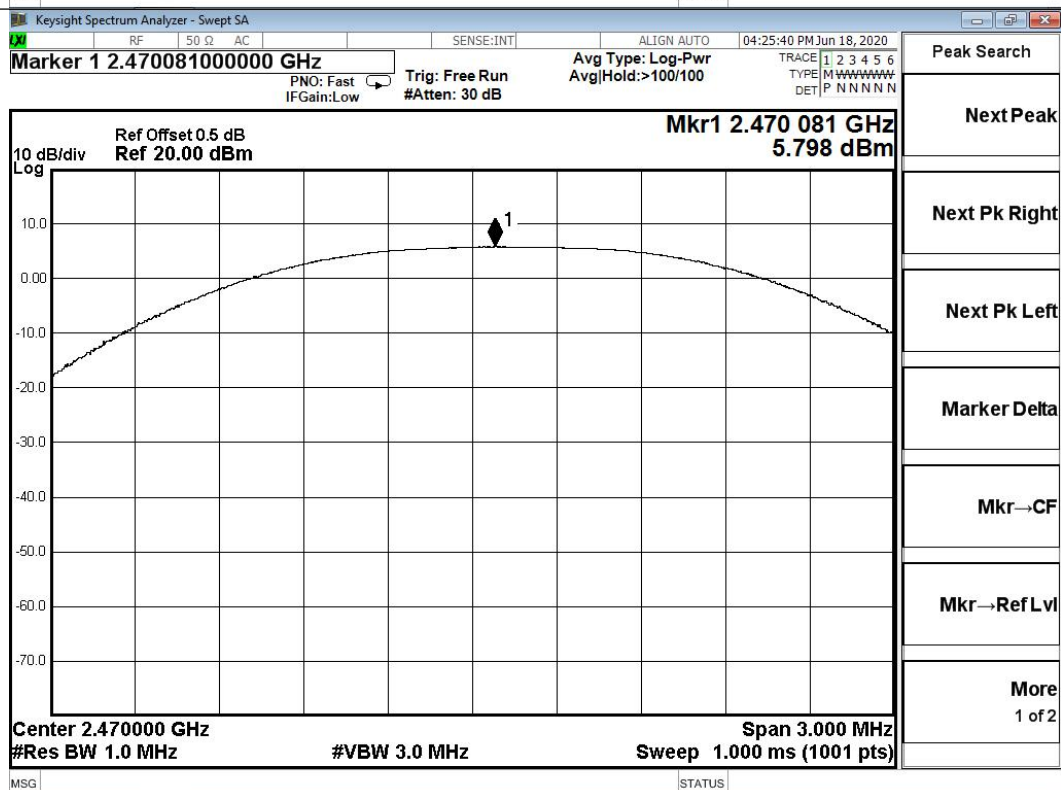
Test Graphs



GFSK/MCH

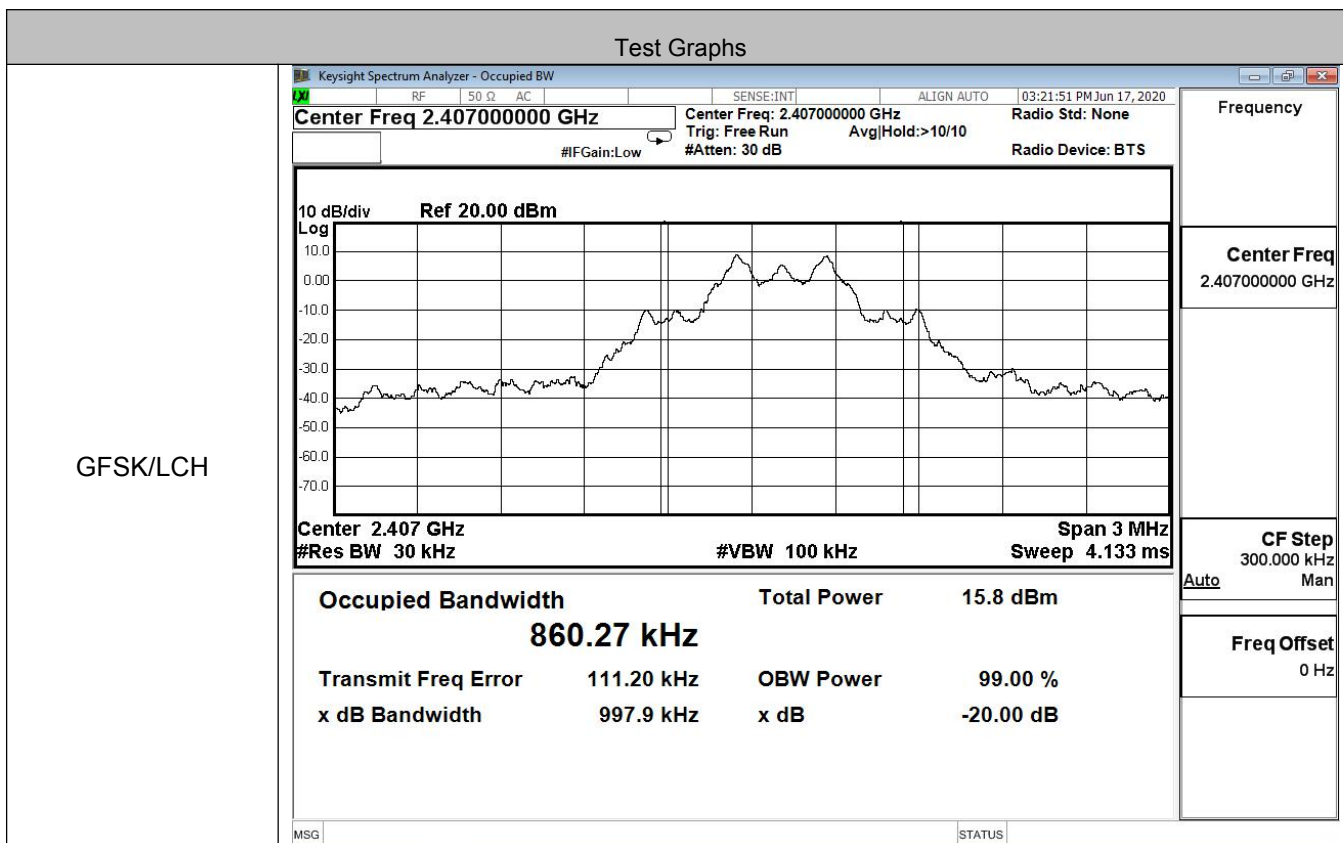


GFSK/HCH

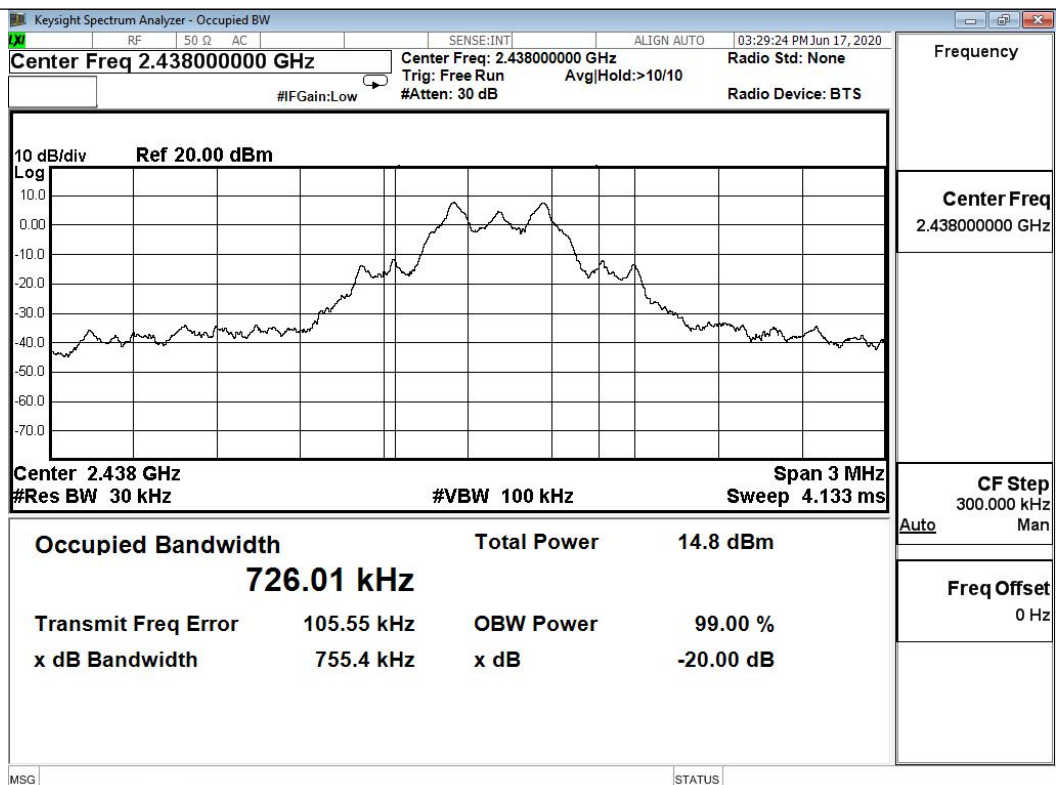


A.2 20dB Bandwidth

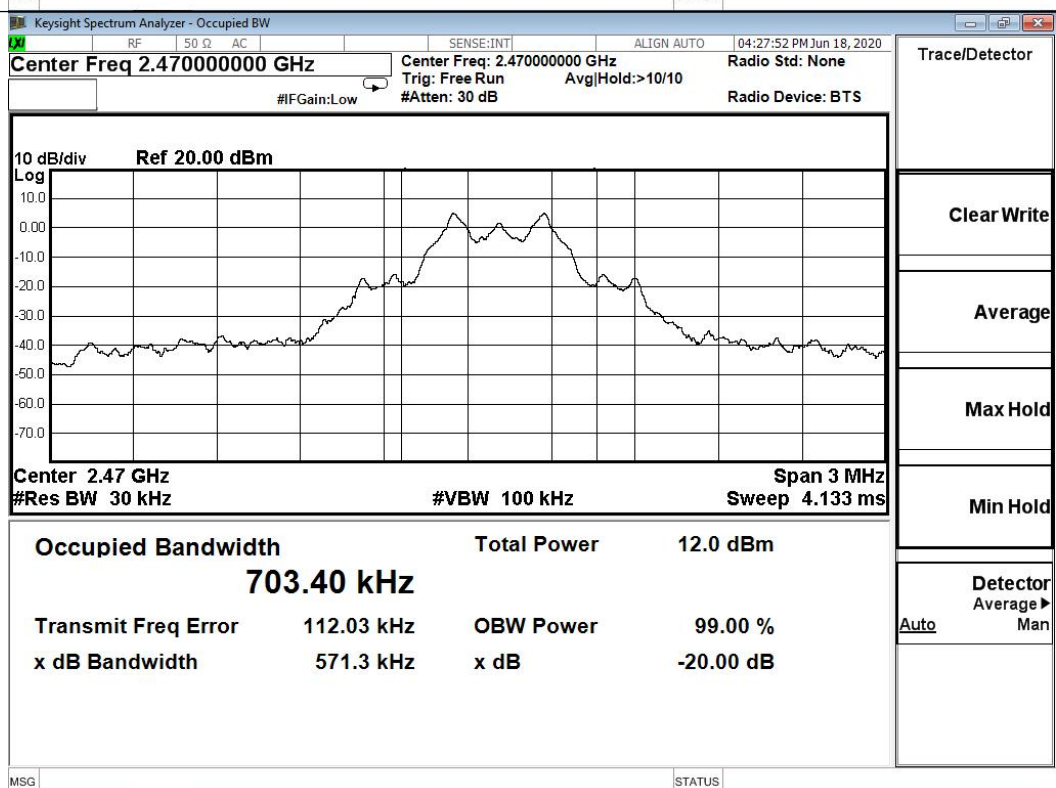
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.998	Not Specified	PASS
	MCH	0.755	Not Specified	PASS
	HCH	0.571	Not Specified	PASS



GFSK/MCH

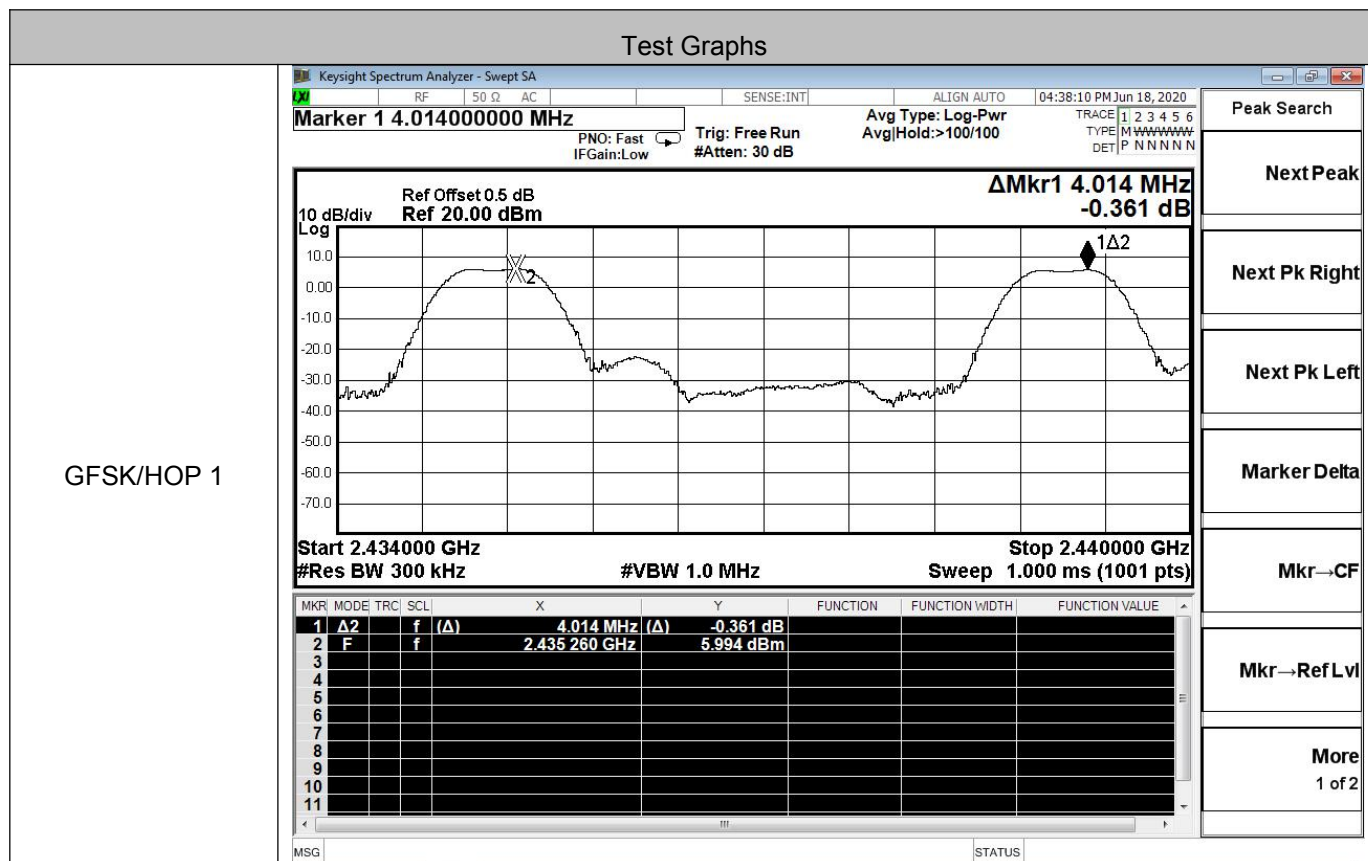


GFSK/HCH

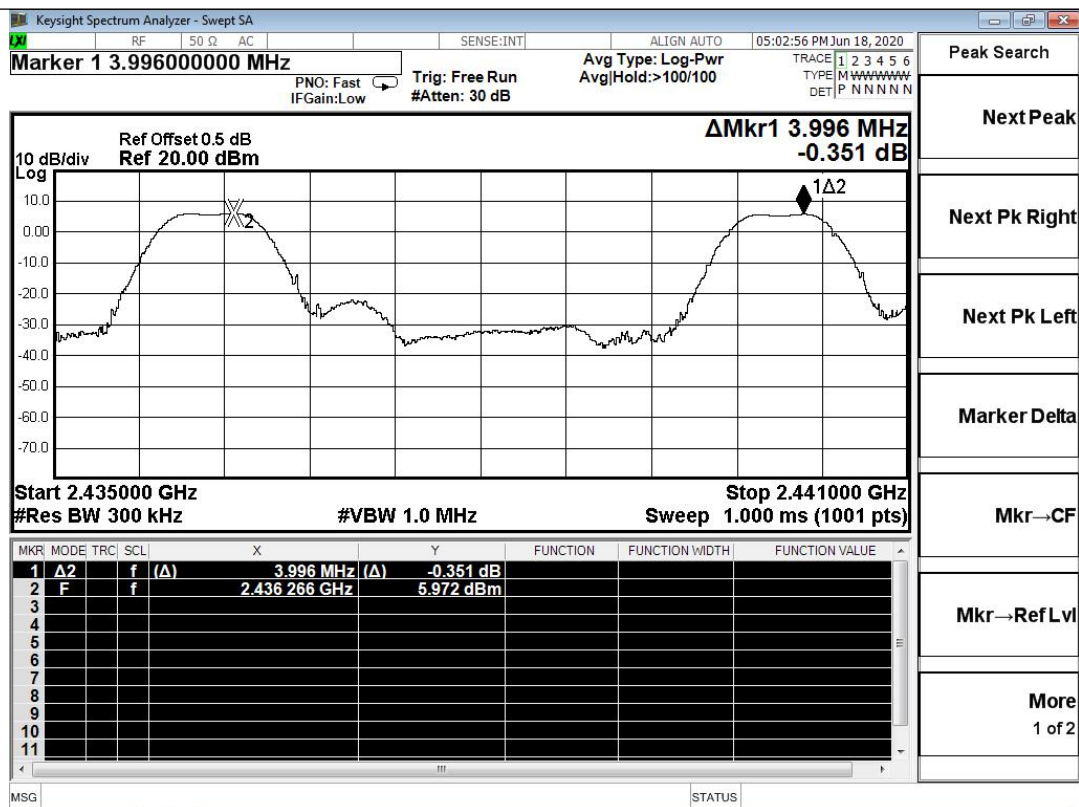


A.3 Carrier Frequency Separation

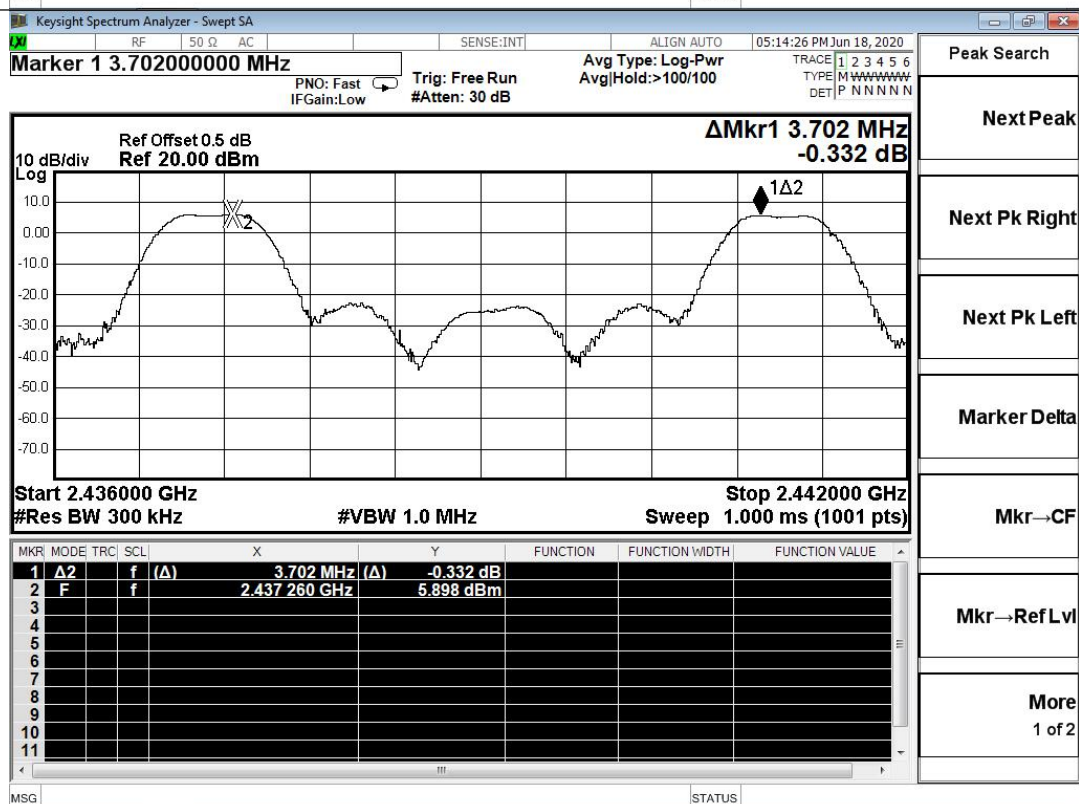
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	HOP 1	4.014	0.665	PASS
	HOP 2	3.996	0.665	PASS
	HOP 3	3.702	0.665	PASS
	HOP 4	3.744	0.665	PASS



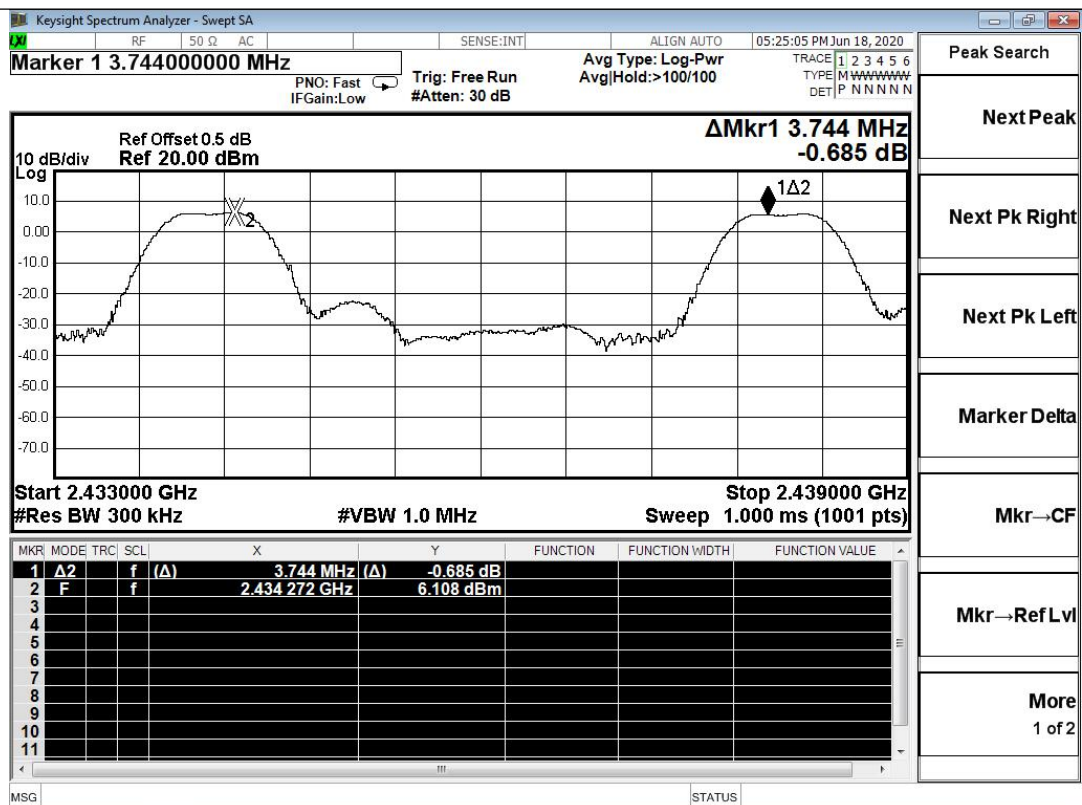
GFSK/HOP 2



GFSK/HOP 3



GFSK/HOP 4

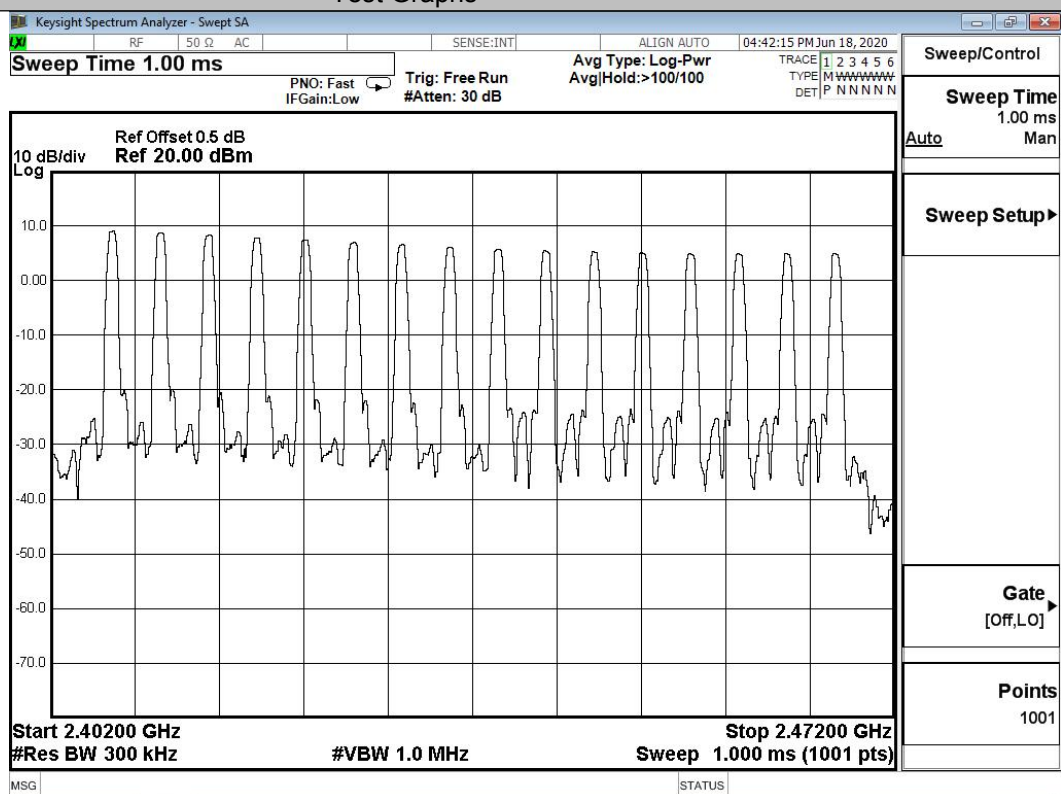


A.4 Hopping Channel Number

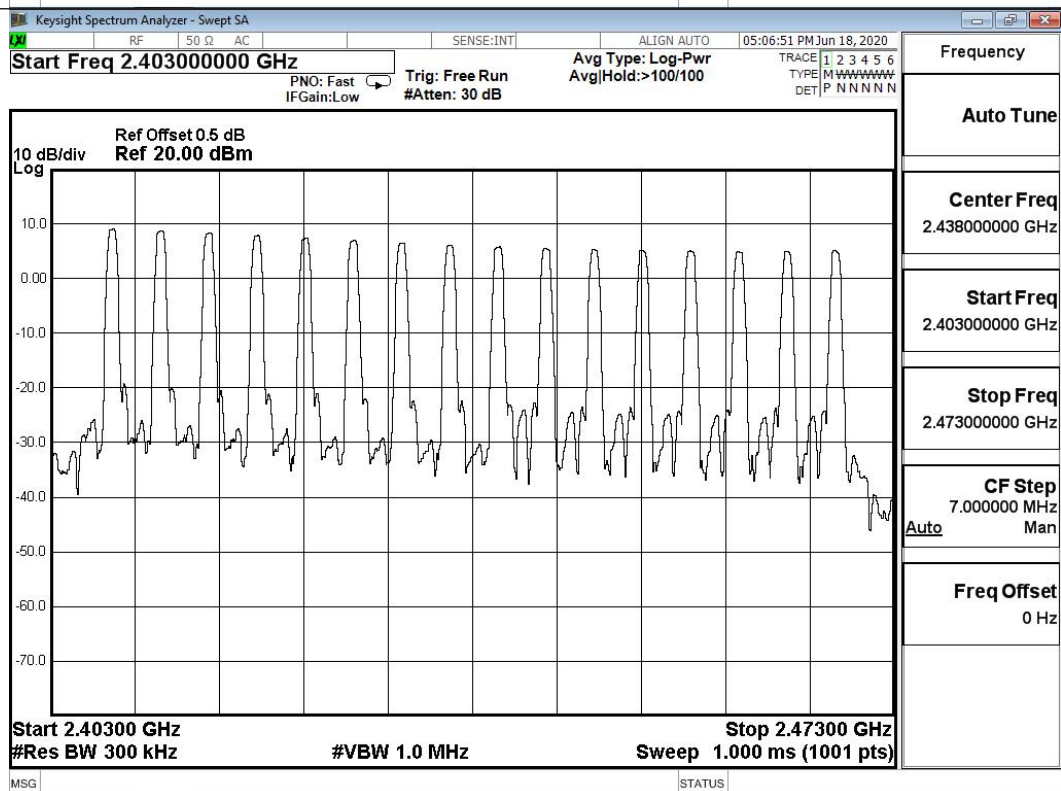
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Hop 1	16	>=15	PASS
GFSK	Hop 2	16	>=15	PASS
GFSK	Hop 3	16	>=15	PASS
GFSK	Hop 4	16	>=15	PASS

Test Graphs

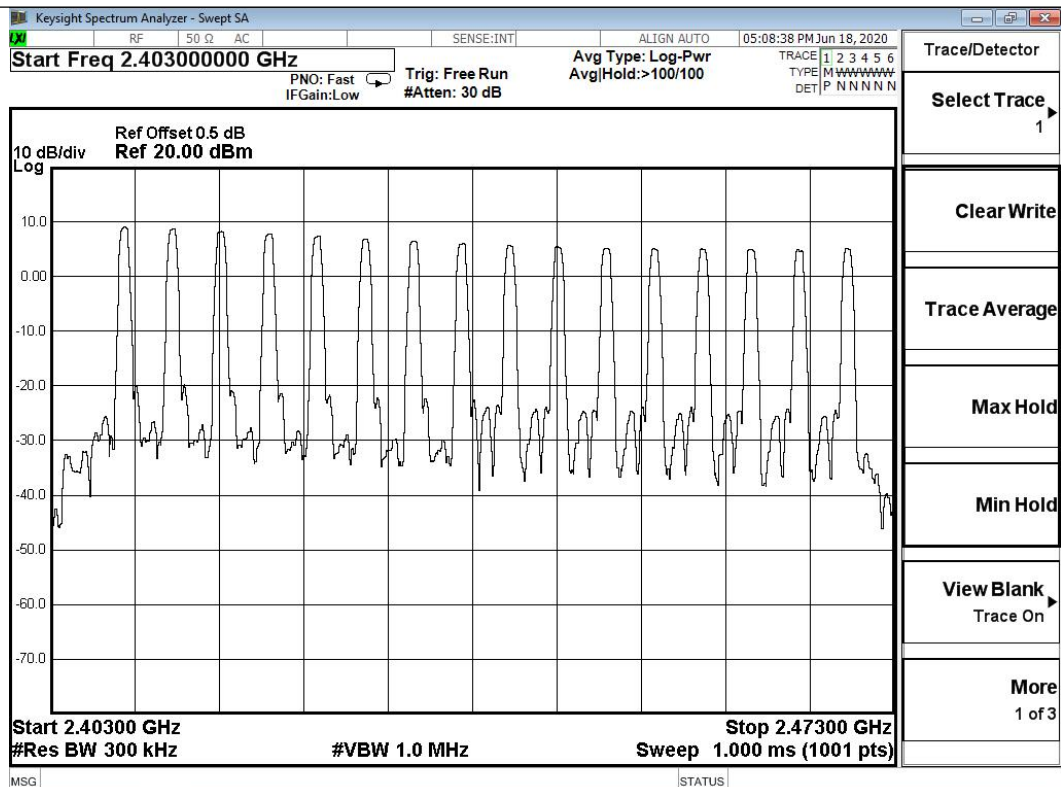
GFSK/HOP 1



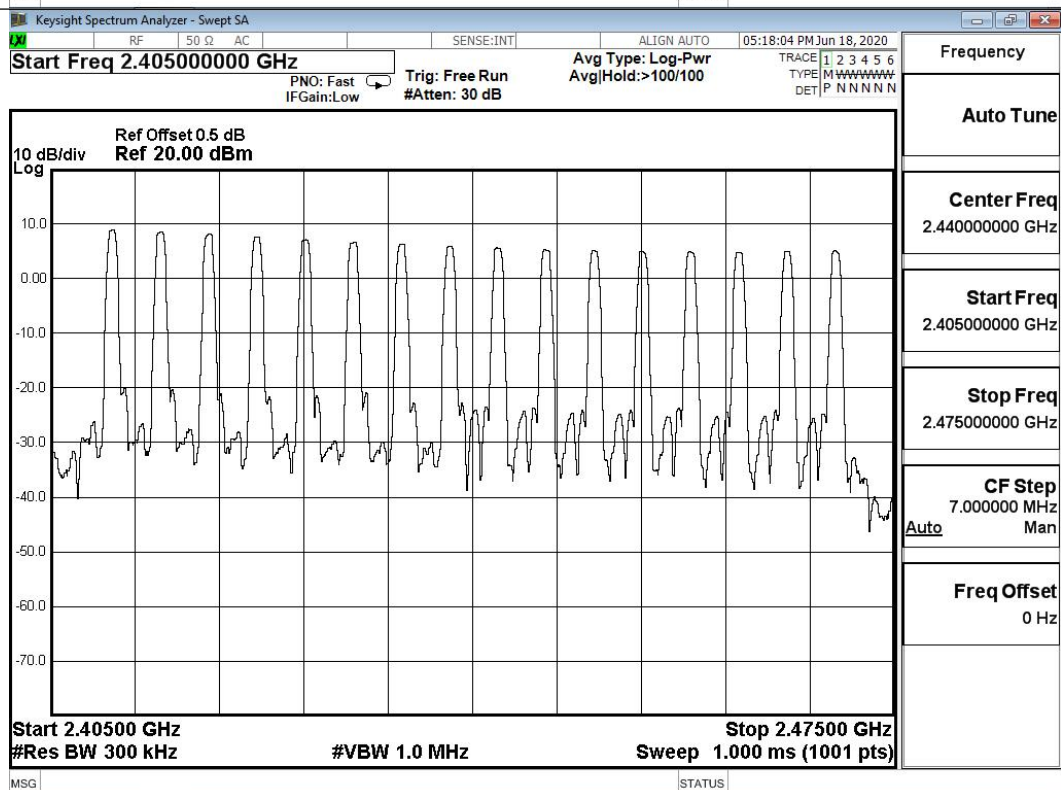
GFSK/HOP 2



GFSK/HOP 3



GFSK/HOP 4

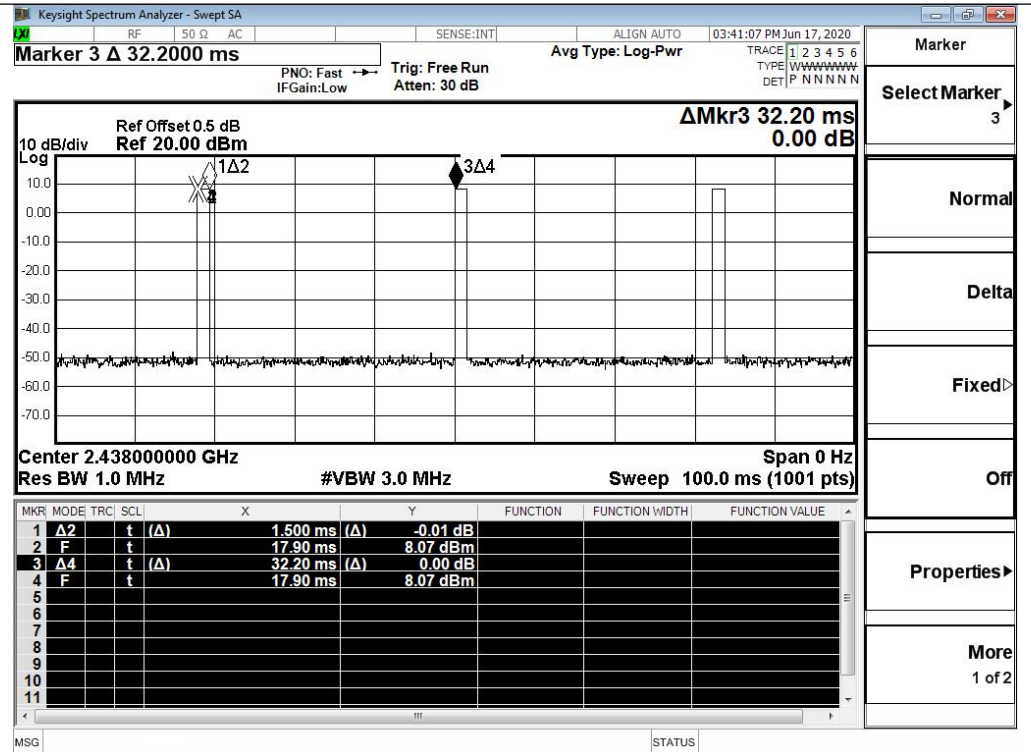


A.5 Dwell Time

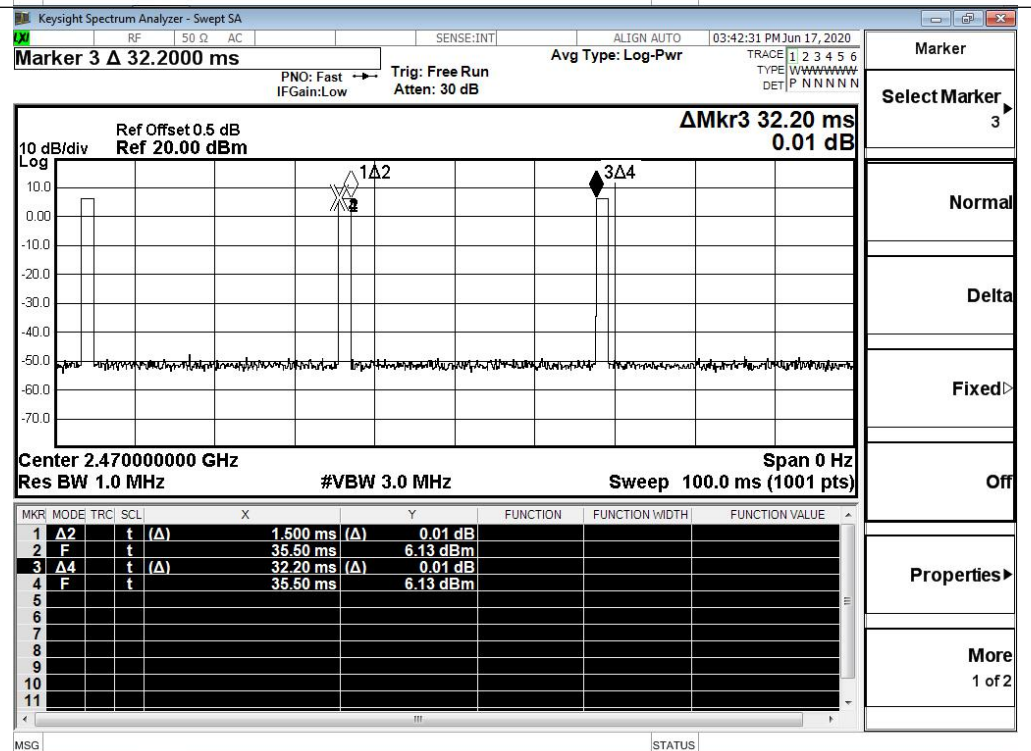
Mode	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
GFSK	LCH	1.50	13	0.0195	0.4	PASS
	MCH	1.50	13	0.0195	0.4	PASS
	HCH	1.50	13	0.0195	0.4	PASS



GFSK/MCH



GFSK/HCH



A.6 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	9.105	-23.206	-10.90	PASS
	MCH	8.35	-27.163	-11.65	PASS
	HCH	6.225	-32.208	-13.78	PASS

