Appendix A

RF Test Data for BT V4.2 (BDR/EDR) (Conducted Measurement)

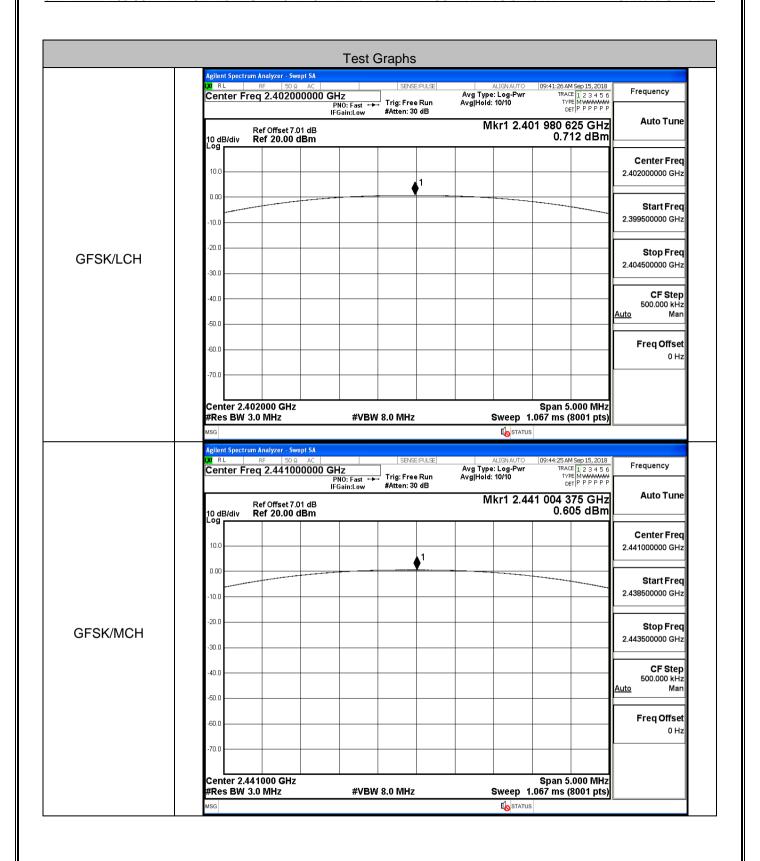
Product Name: VISION SB-1900P Active Soundbar
Trade Mark: VISION
Test Model: SB-1900P

Environmental Conditions

Temperature:	24.1 ° C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Mina Xu
Supervised by:	Jayden Zhuo

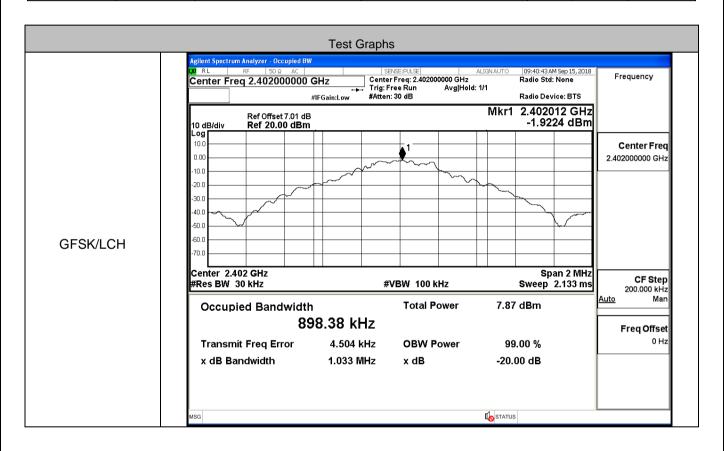
A.1 Maximum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	0.712	21	PASS
GFSK	MCH	0.605	21	PASS
	НСН	0.378	21	PASS
	LCH	0.514	21	PASS
π/4DQPSK	MCH	0.410	21	PASS
	HCH	0.171	21	PASS



A.2 99% and 20dB Bandwidth

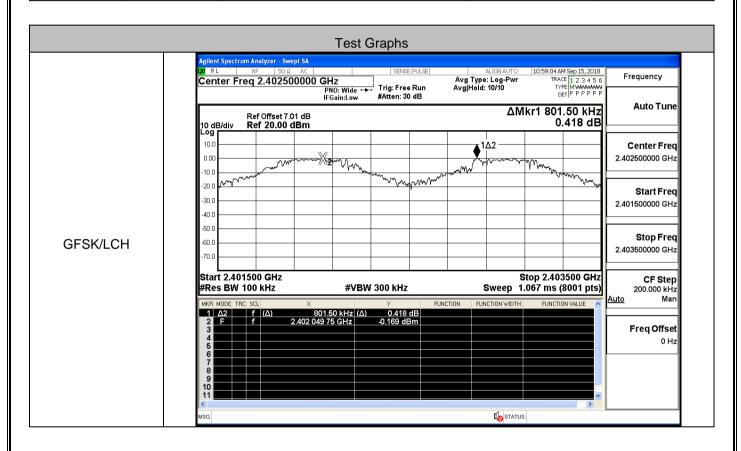
Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.89838	1.033	Not Specified	PASS
GFSK	MCH	0.88949	1.030	Not Specified	PASS
	HCH	0.89086	1.036	Not Specified	PASS
	LCH	1.1674	1.288	Not Specified	PASS
π/4DQPSK	MCH	1.1671	1.286	Not Specified	PASS
	HCH	1.1669	1.285	Not Specified	PASS



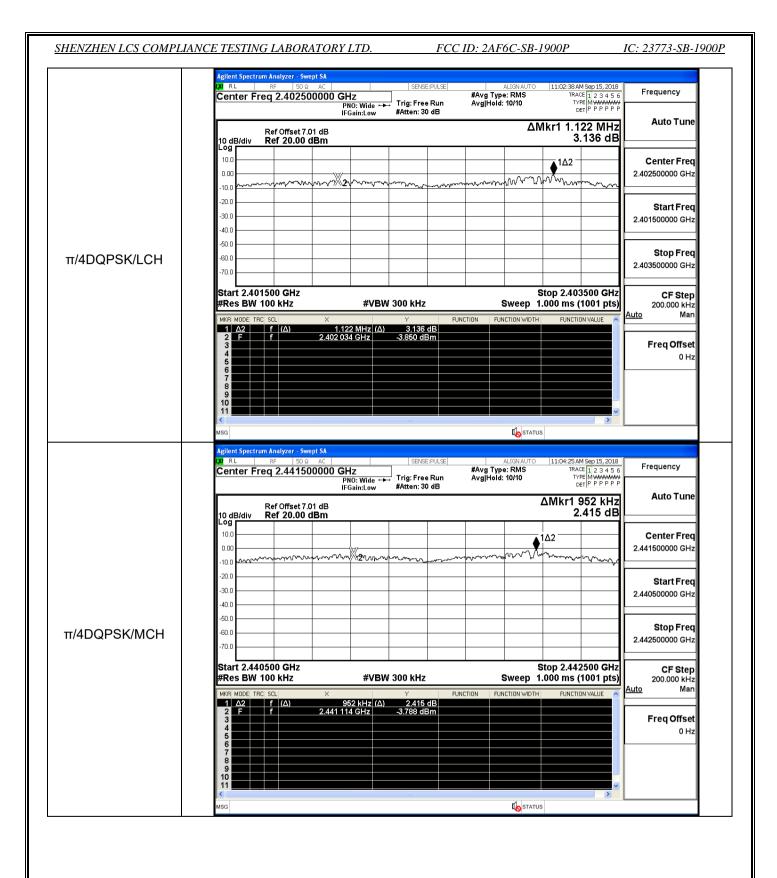
STATUS

A.3 Carrier Frequency Separation

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.802	0.691	PASS
GFSK	MCH	1.108	0.691	PASS
	HCH	1.104	0.691	PASS
	LCH	1.122	0.859	PASS
π/4DQPSK	MCH	0.952	0.859	PASS
	HCH	1.054	0.859	PASS

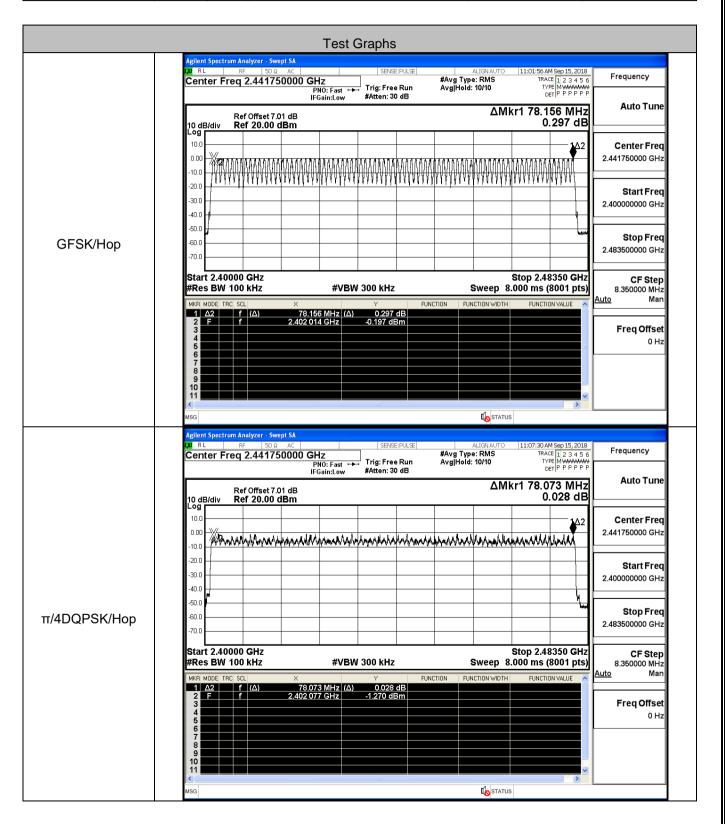






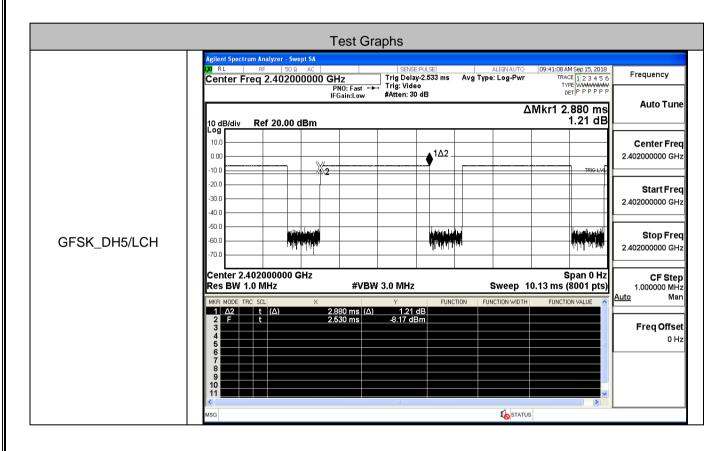
A.4 Hopping Channel Number

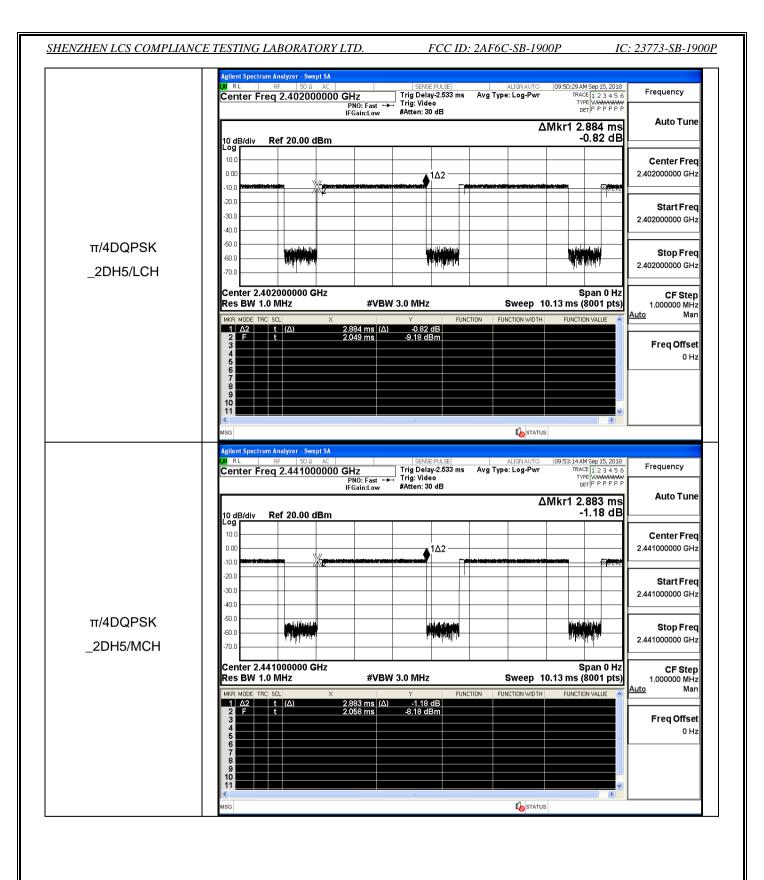
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS



A.5 Dwell Time

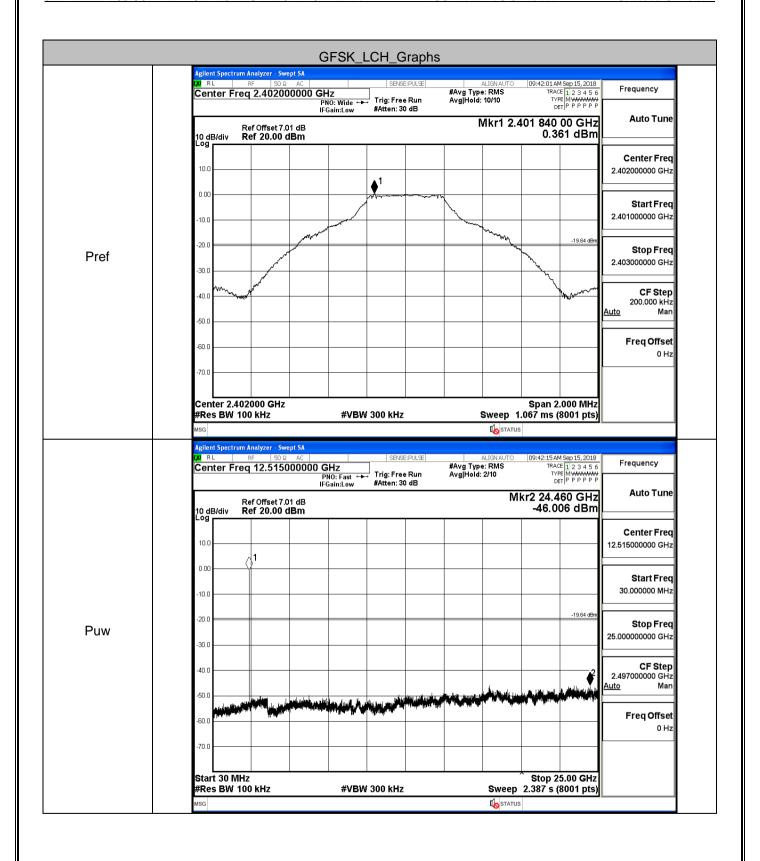
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7	0.307	0.4	PASS

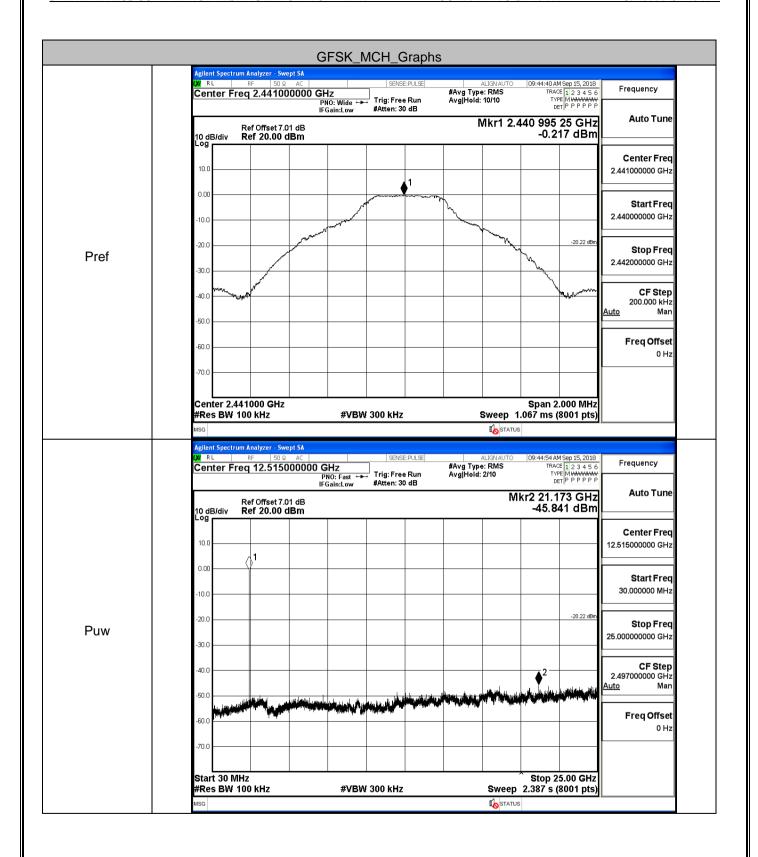


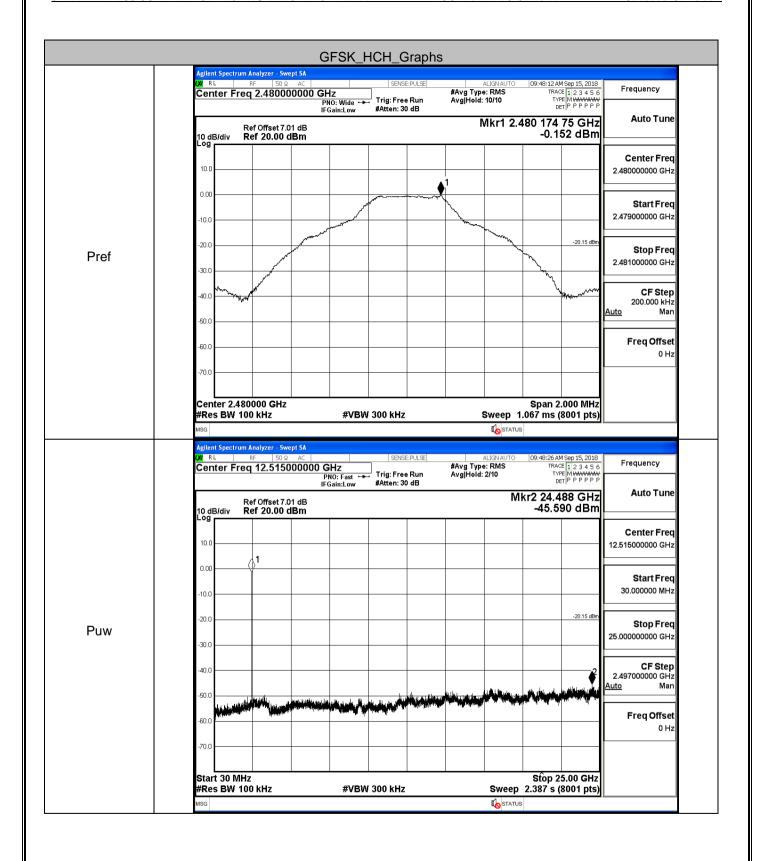


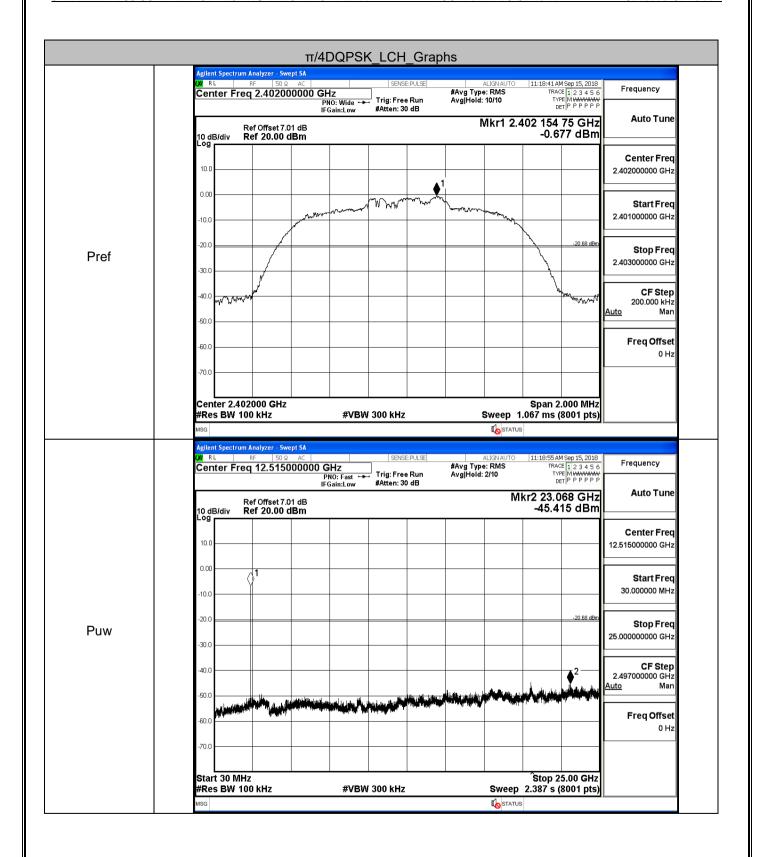
A.6 RF Conducted Spurious Emissions

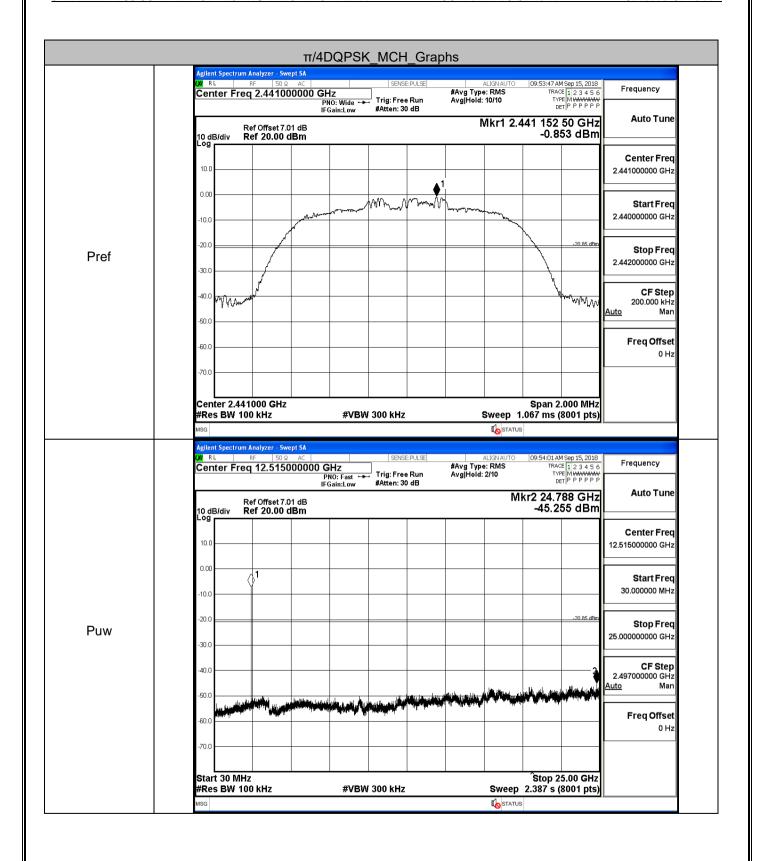
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	0.361	-46.006	-19.639	PASS
GFSK	MCH	-0.217	-45.841	-20.217	PASS
	HCH	-0.152	-45.590	-20.152	PASS
π/4DQPSK	LCH	-0.677	-45.415	-20.677	PASS
	K MCH -0.853		-45.255	-20.853	PASS
	НСН	-1.033	-45.166	-21.033	PASS

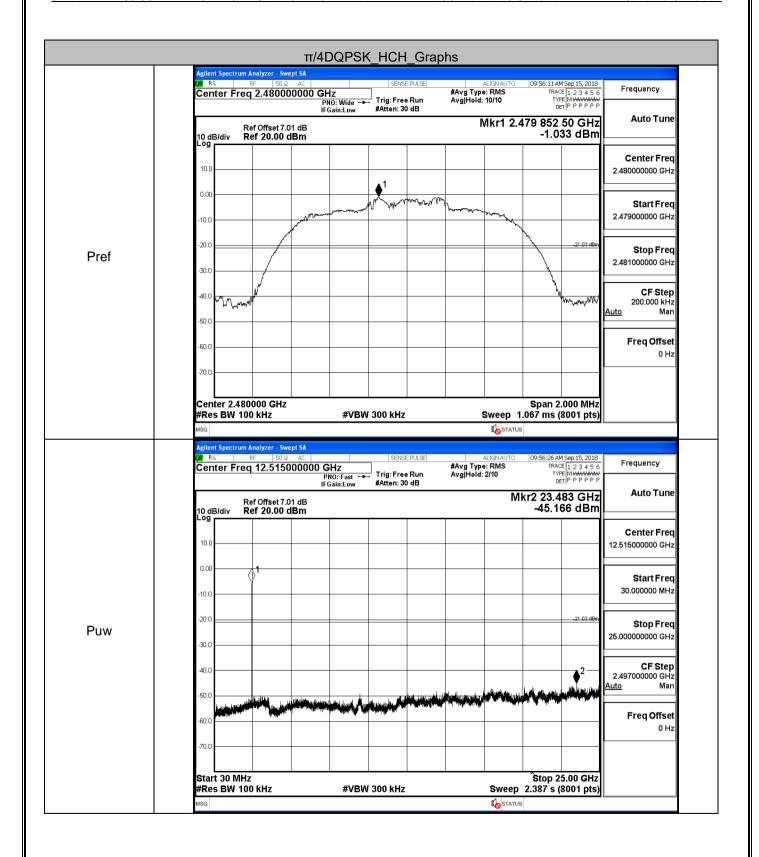






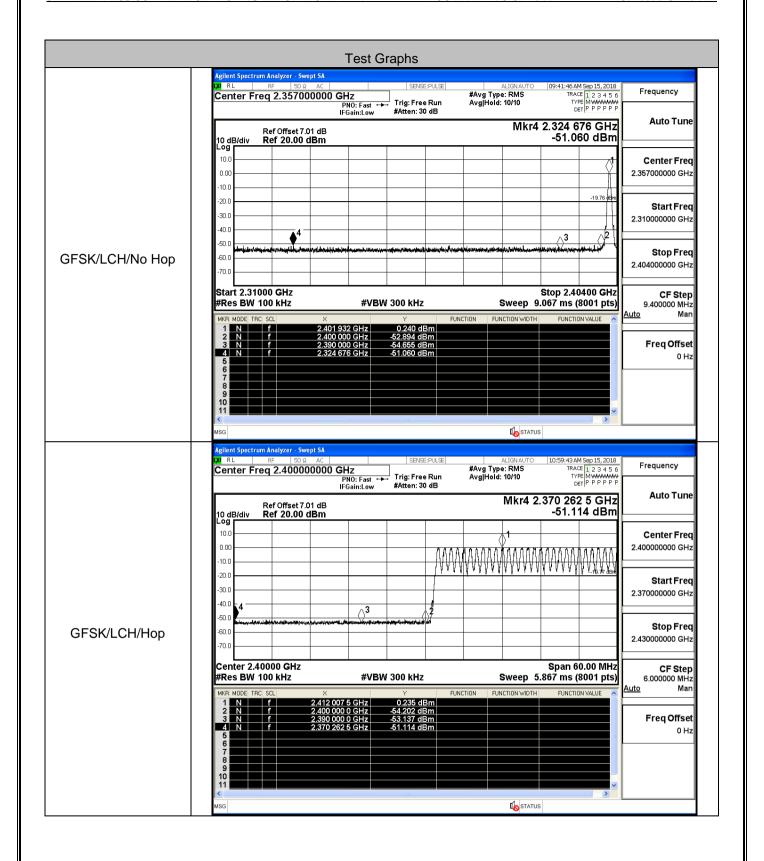






A.7 Band-edge for RF Conducted Emissions

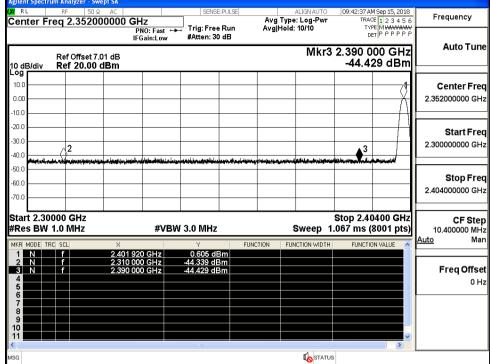
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
	LCH	LCH 2402	0.240	Off	-51.060	-19.76	PASS	
			0.235	On	-51.114	-19.77	PASS	
GFSK	НСН		2.422	-0.001	Off	-51.232	-20	PASS
		2480	0.152	On	-50.964	-19.85	PASS	
π/4DQPSK	LCH		0.400	-2.381	Off	-50.910	-22.38	PASS
		1 2402	-0.598	On	-50.663	-20.6	PASS	
		0.400	-0.942	Off	-50.924	-20.94	PASS	
	HCH	2480	-0.938	On	-50.277	-20.94	PASS	



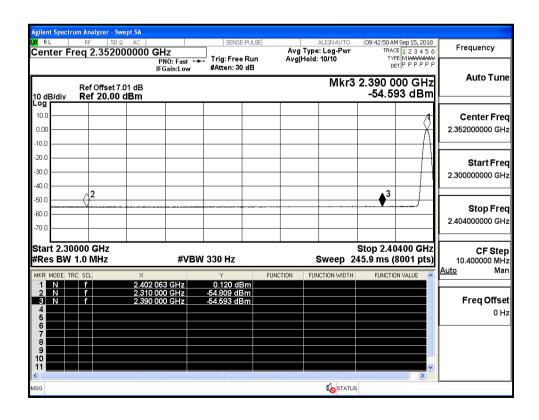
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-44.34	2.0	0	52.92	PEAK	74	PASS
	Off	2310.0	-54.81	2.0	0	42.45	AV	54	PASS
	Off	2390.0	-44.43	2.0	0	52.83	PEAK	74	PASS
	Off	2390.0	-54.59	2.0	0	42.66	AV	54	PASS
GFSK	Off	2483.5	-44.68	2.0	0	52.58	PEAK	74	PASS
	Off	2483.5	-54.36	2.0	0	42.90	AV	54	PASS
	Off	2500.0	-44.15	2.0	0	53.10	PEAK	74	PASS
	Off	2500.0	-54.19	2.0	0	43.07	AV	54	PASS
	Off	2310.0	-44.03	2.0	0	53.23	PEAK	74	PASS
	Off	2310.0	-54.80	2.0	0	42.45	AV	54	PASS
	Off	2390.0	-44.53	2.0	0	52.73	PEAK	74	PASS
	Off	2390.0	-54.47	2.0	0	42.79	AV	54	PASS
π/4DQPSK	Off	2483.5	-44.98	2.0	0	52.28	PEAK	74	PASS
	Off	2483.5	-54.25	2.0	0	43.01	AV	54	PASS
	Off	2500.0	-42.52	2.0	0	54.74	PEAK	74	PASS
	Off	2500.0	-54.04	2.0	0	43.22	AV	54	PASS

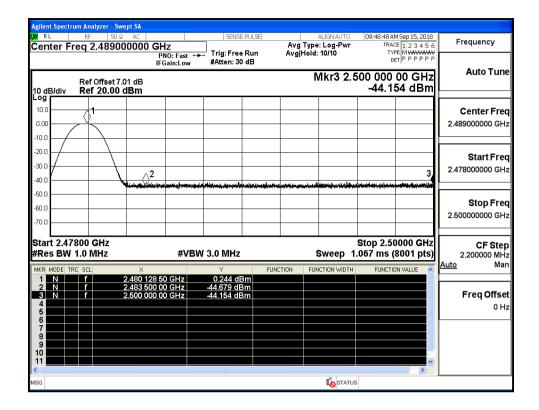




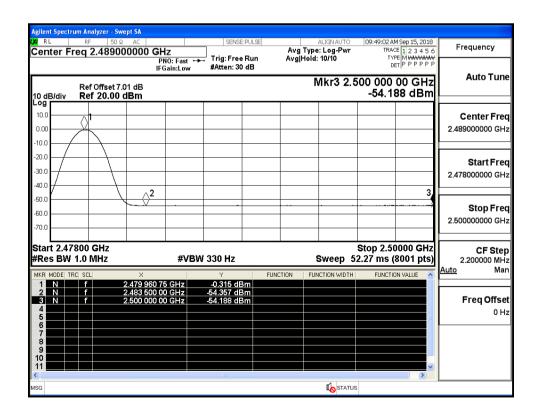
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



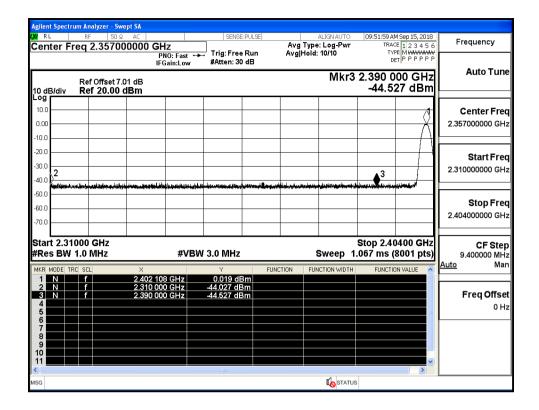
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



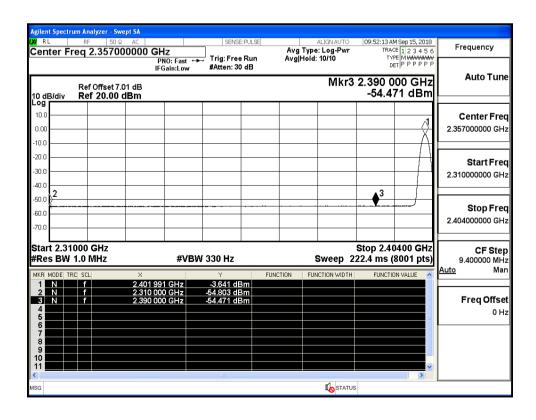
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



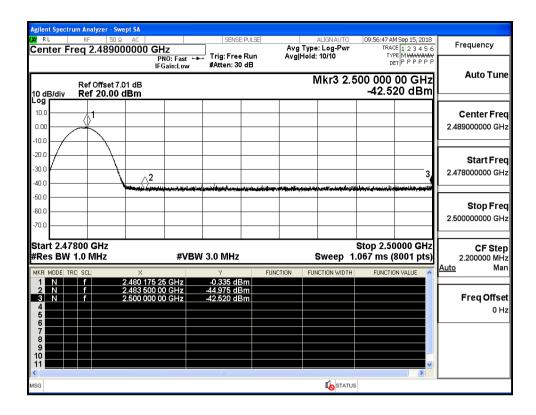
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)

