

Appendix A

RF Test Data for BT 4.2(BLE) (Conducted Measurement)

Product Name: BARKING MAT

Trade Mark: N/A

Test Model: BM001W

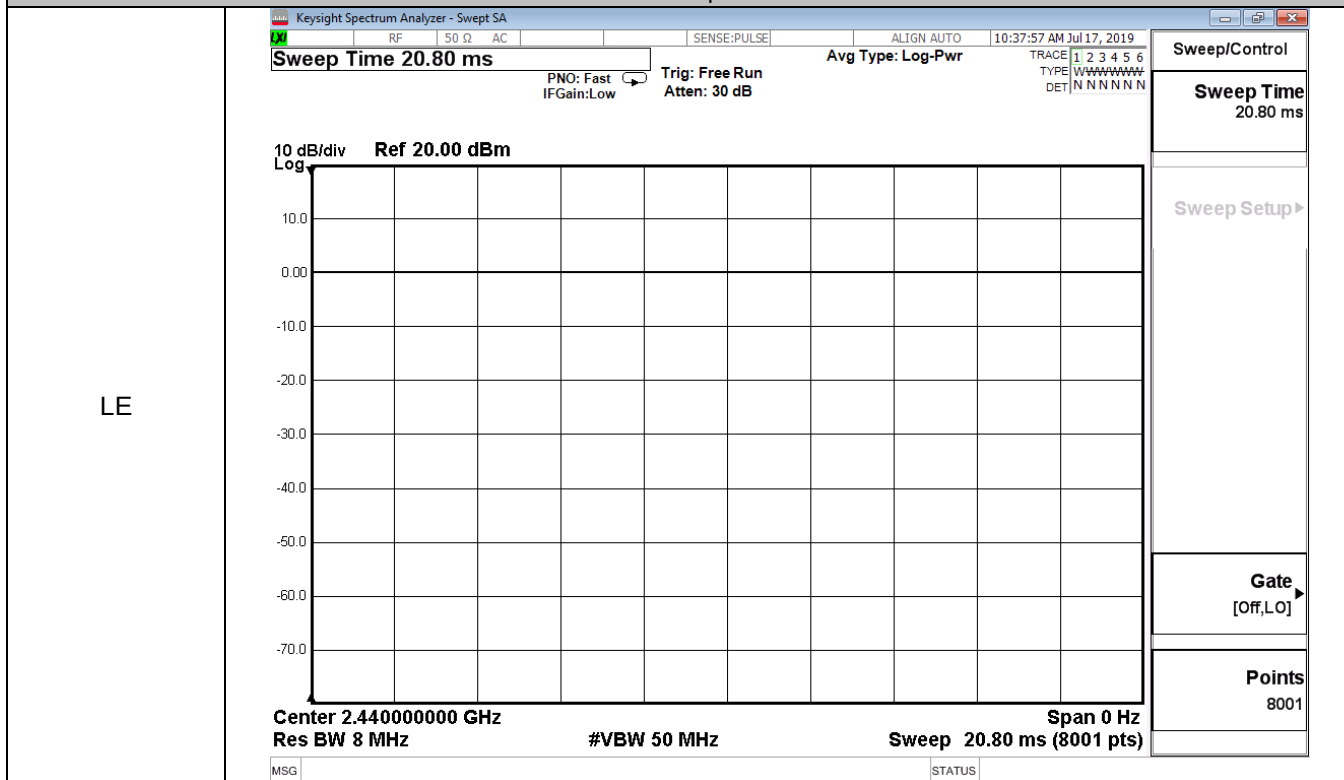
Environmental Conditions

Temperature:	23.6° C
Relative Humidity:	64%
ATM Pressure:	100.0 kPa
Test Engineer:	CHUANG WANG
Supervised by:	JAYDEN ZHUO

A.1 Duty Cycle

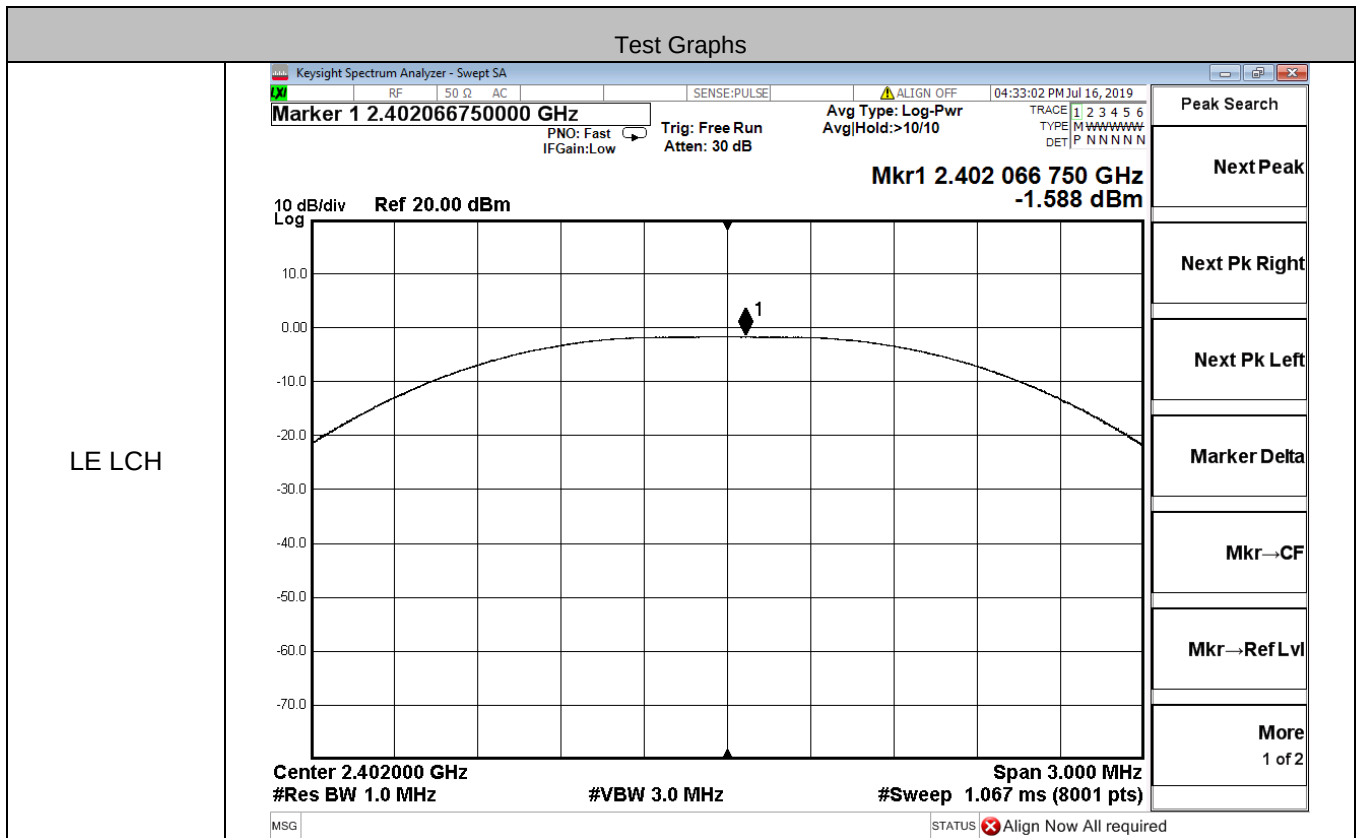
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
LE	2440	Ant1	100	PASS

Test Graphs

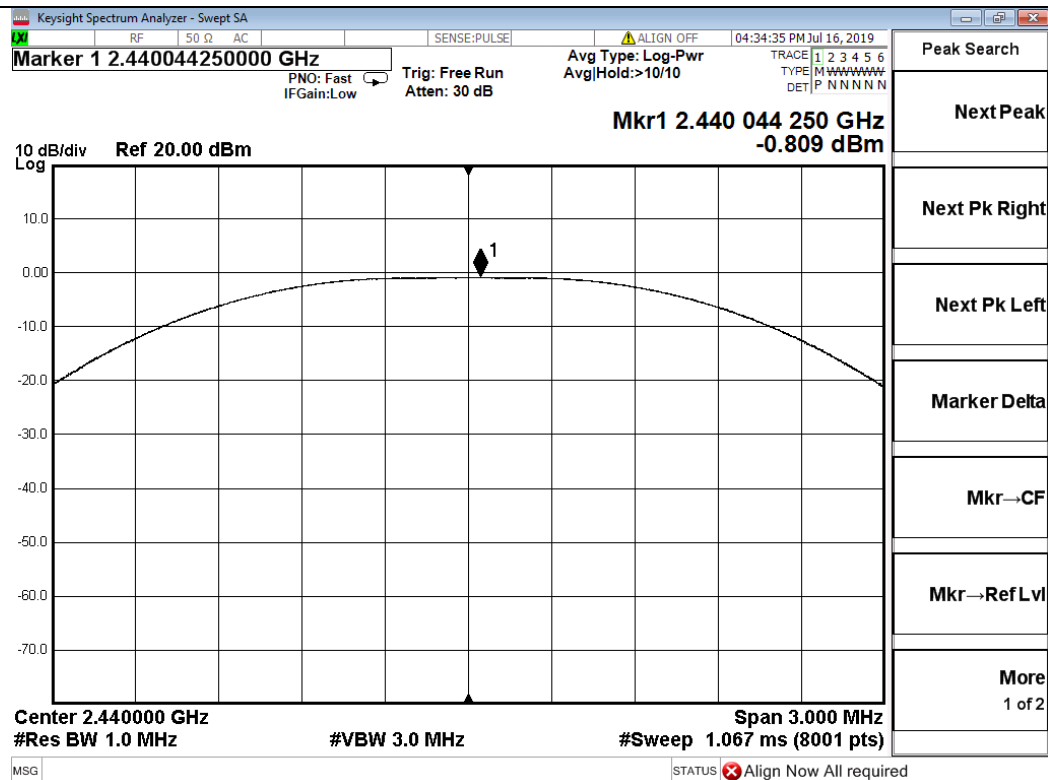


A.2 Maximum Conducted Peak Output Power

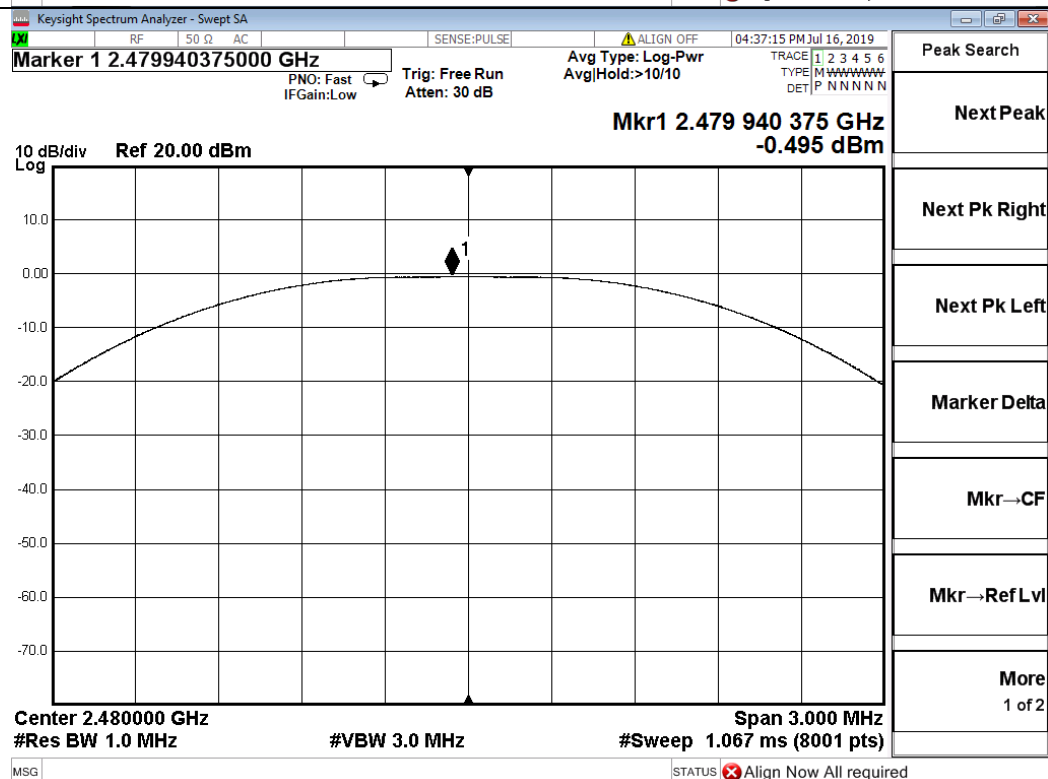
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
LE	LCH	-1.588	30	PASS
LE	MCH	-0.809	30	PASS
LE	HCH	-0.495	30	PASS



LE MCH

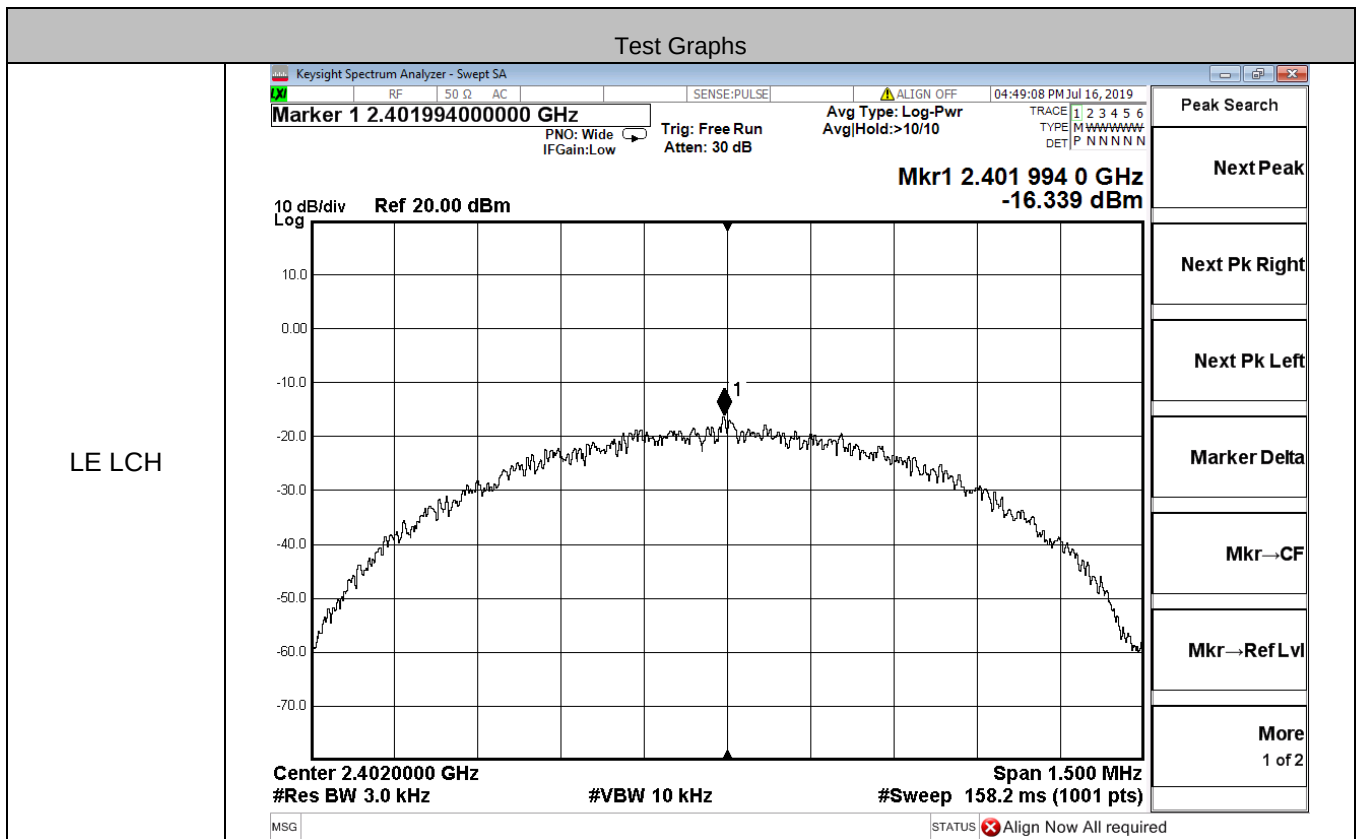


LE HCH

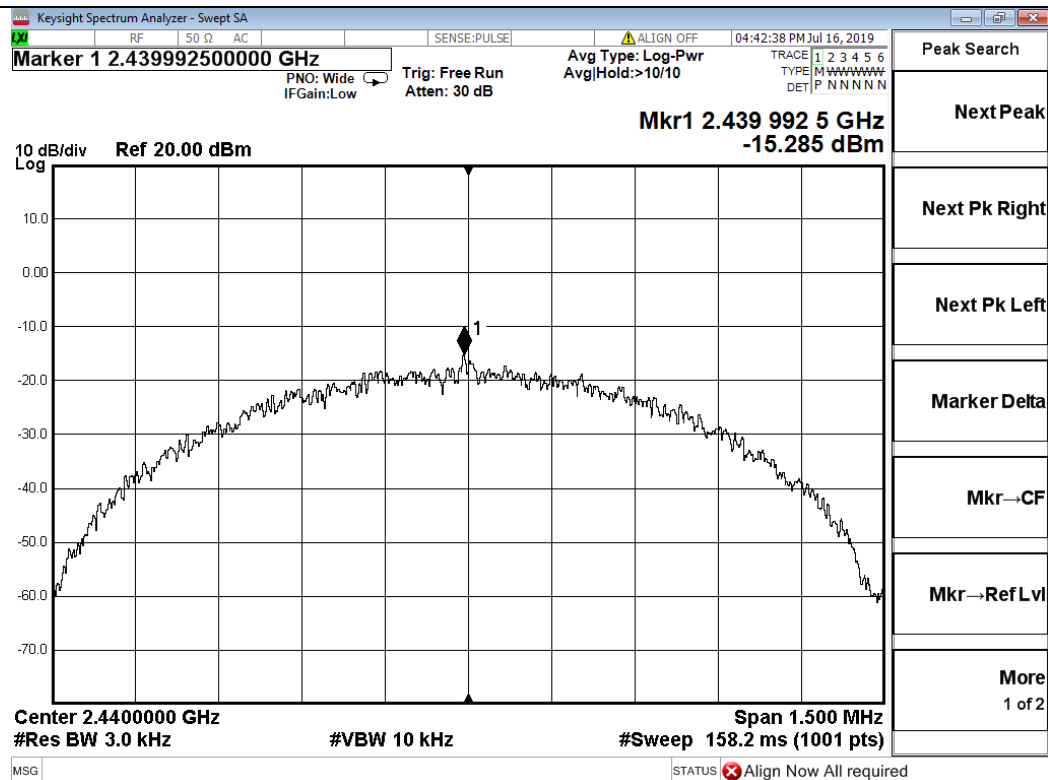


B.3 Maximum Power Spectral Density

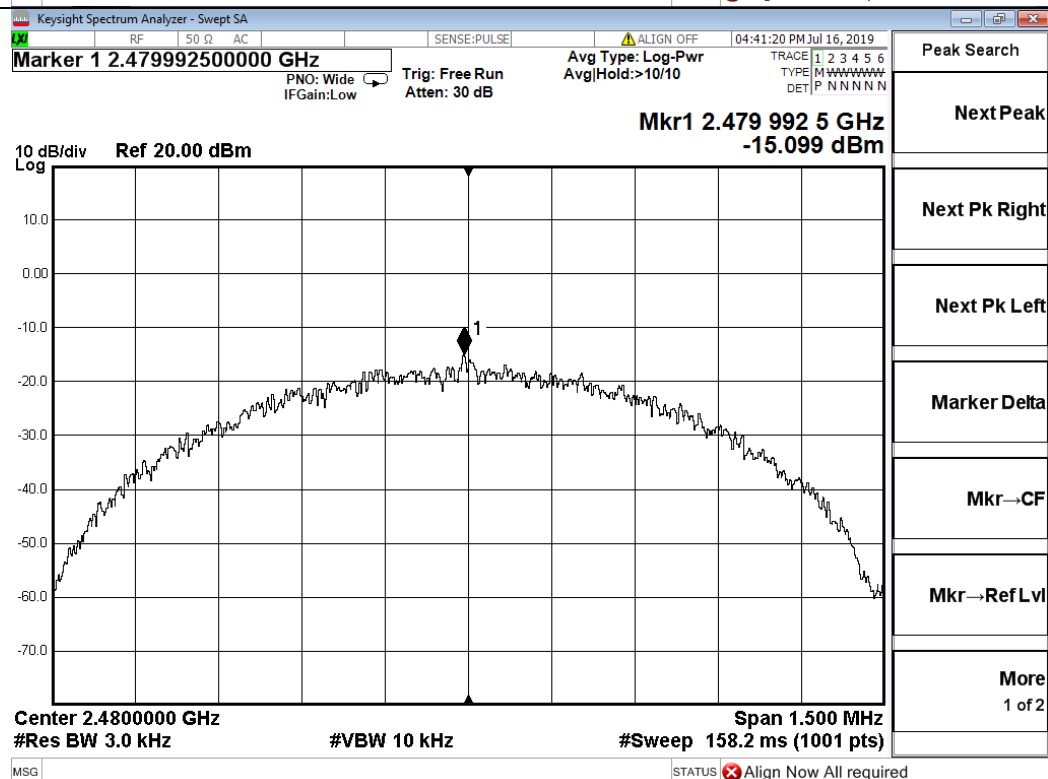
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
LE	LCH	-1.588	8	PASS
LE	MCH	-0.809	8	PASS
LE	HCH	-0.495	8	PASS



LE MCH



LE HCH

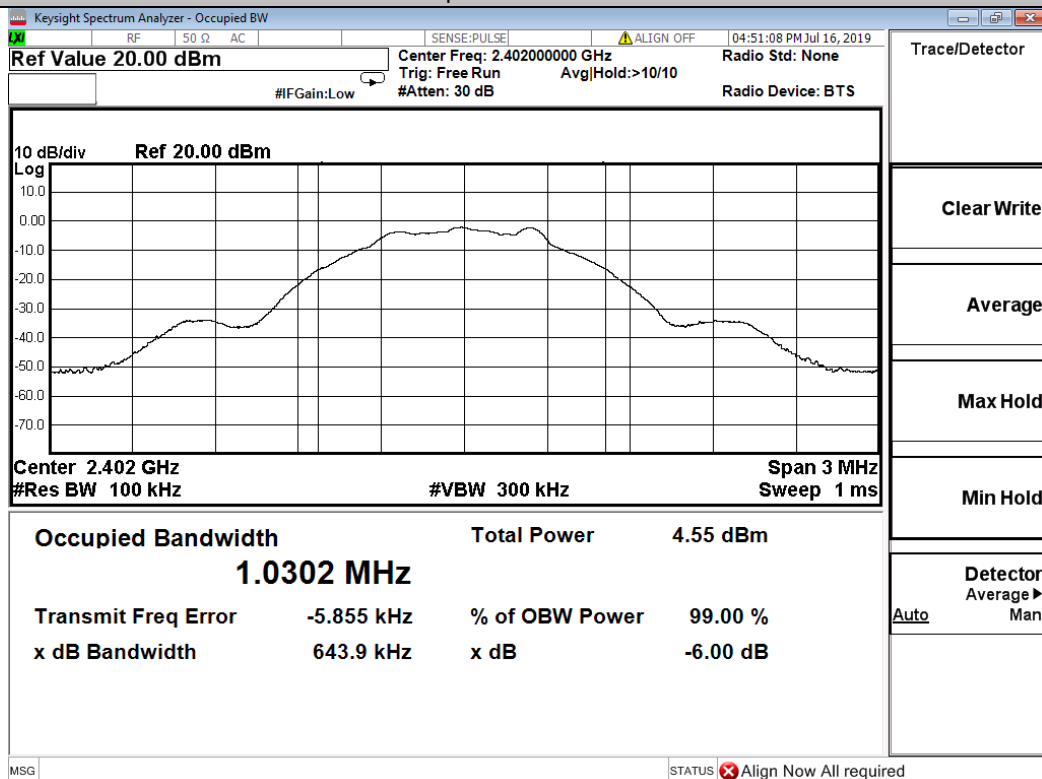


B.4 6dB Bandwidth

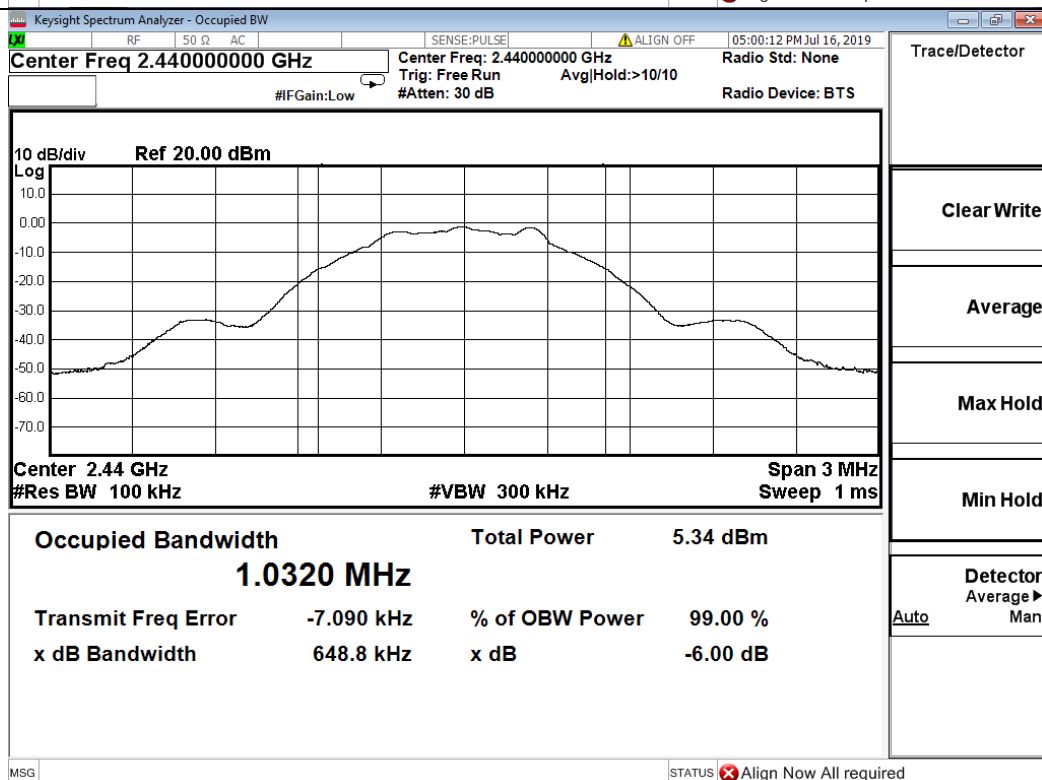
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
LE	LCH	0.6439	≥ 0.5	PASS
LE	MCH	0.6488	≥ 0.5	PASS
LE	HCH	0.6456	≥ 0.5	PASS

Test Graphs

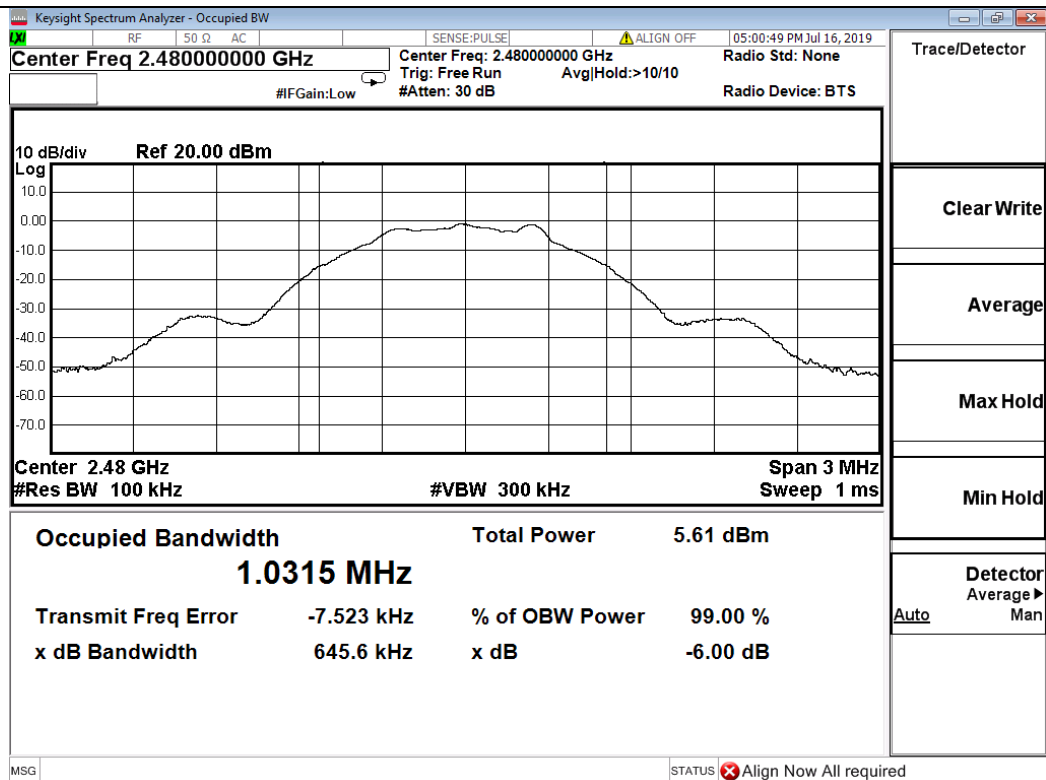
LE LCH



LE MCH



LE HCH

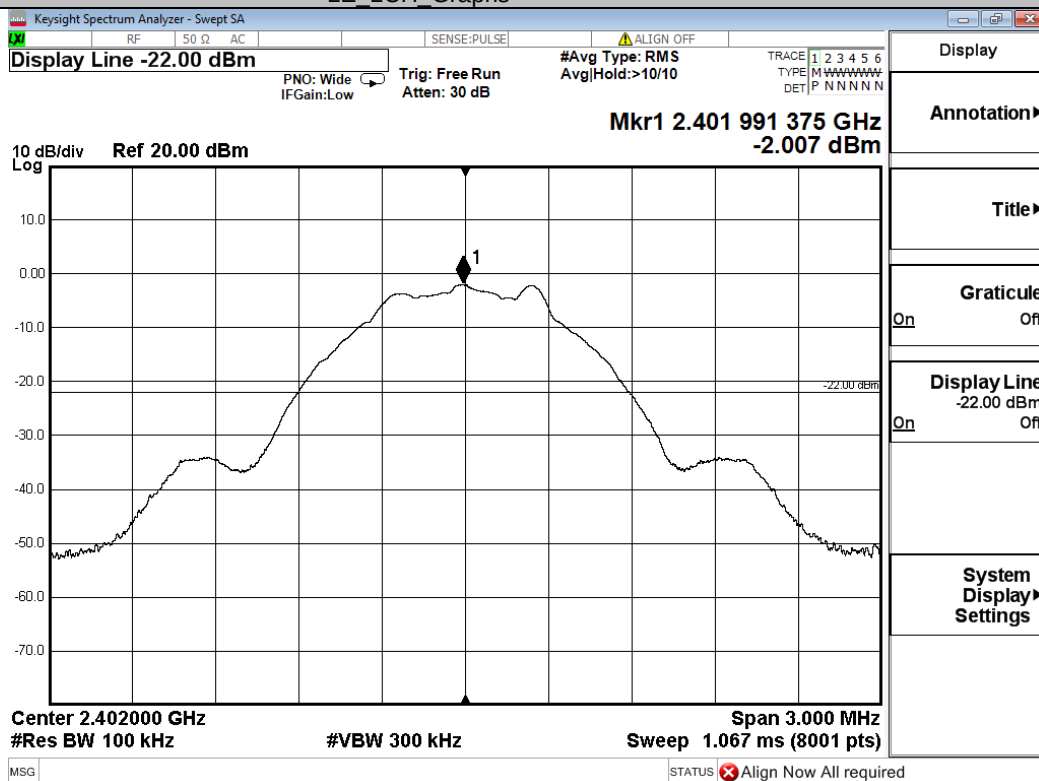


B.5 RF Conducted Spurious Emissions

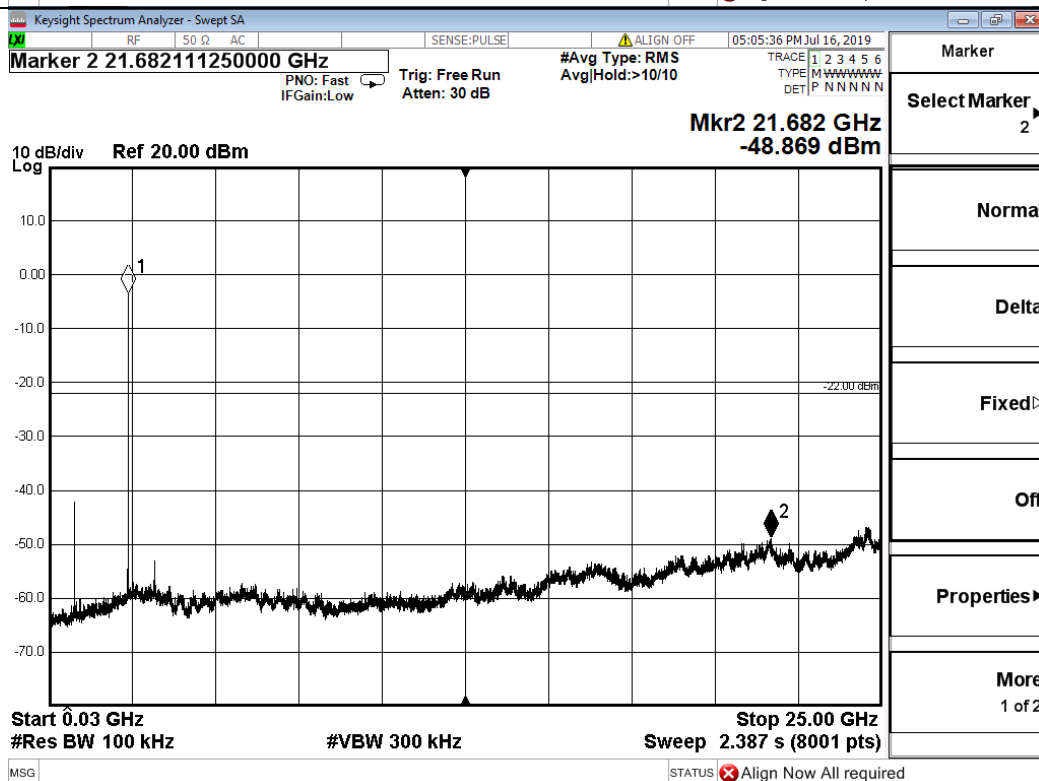
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
LE	LCH	-2.007	-48.869	-22.01	PASS
LE	MCH	-1.222	-46.096	-21.22	PASS
LE	HCH	-0.775	-48.579	-20.78	PASS

LE LCH Graphs

Pref/ LE/LCH

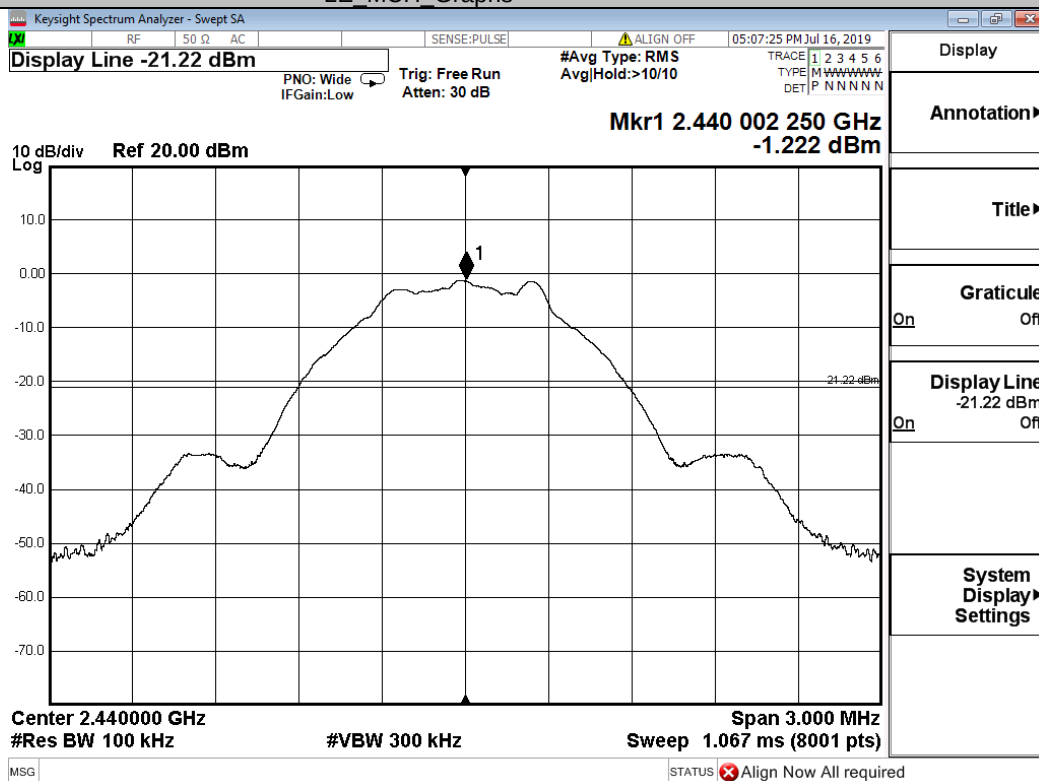


Puw/ LE/LCH

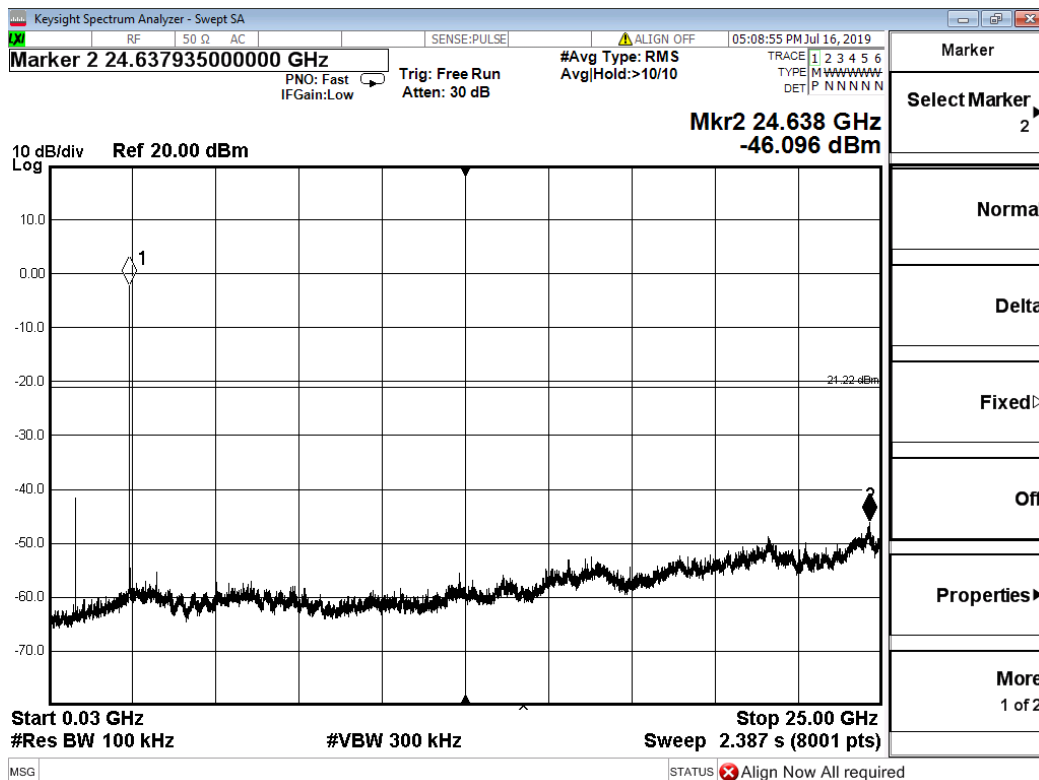


LE MCH Graphs

Pref/ LE/MCH

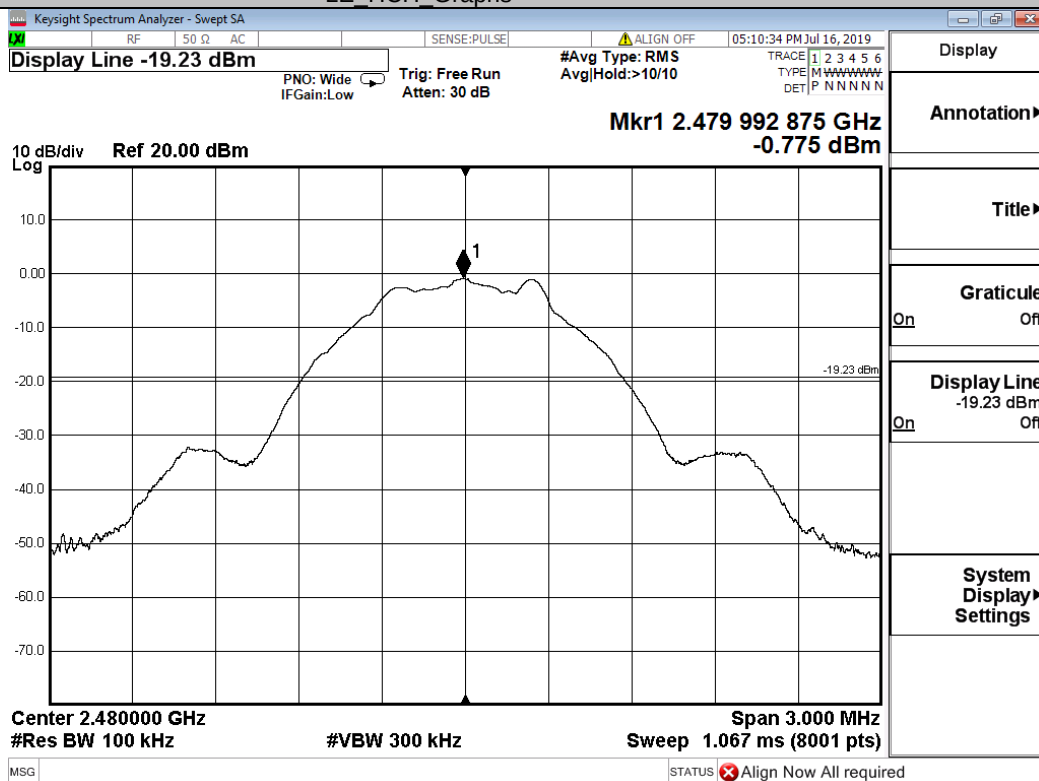


Puw/ LE/MCH

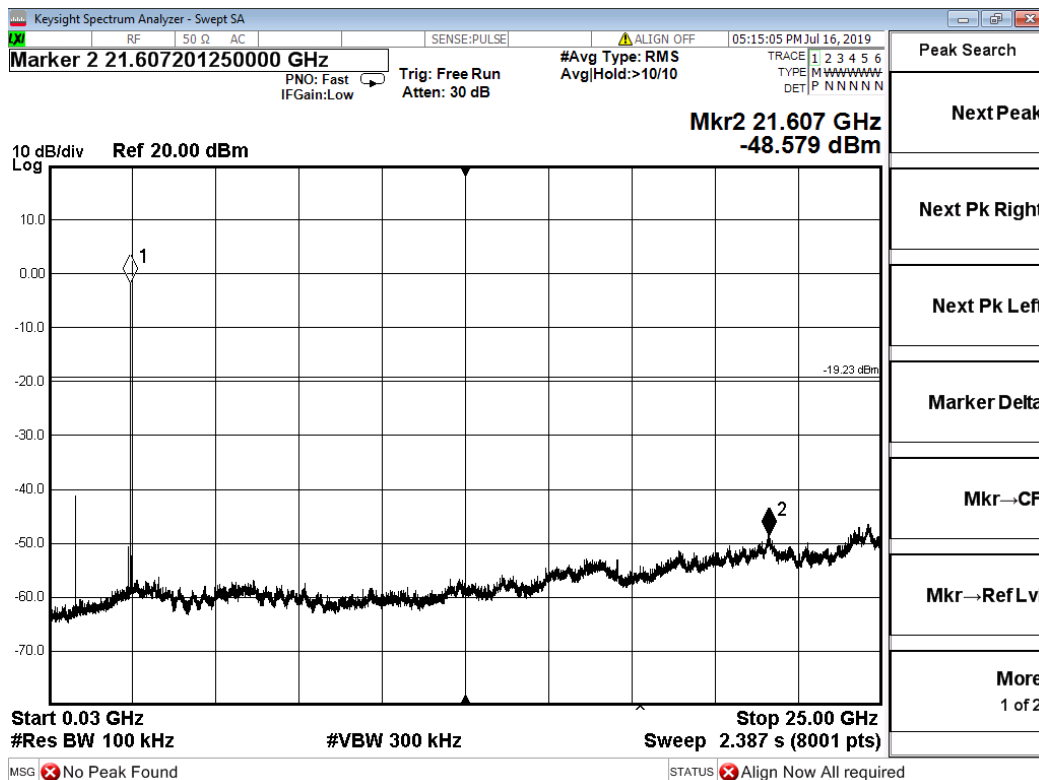


LE HCH Graphs

Pref/ LE/HCH

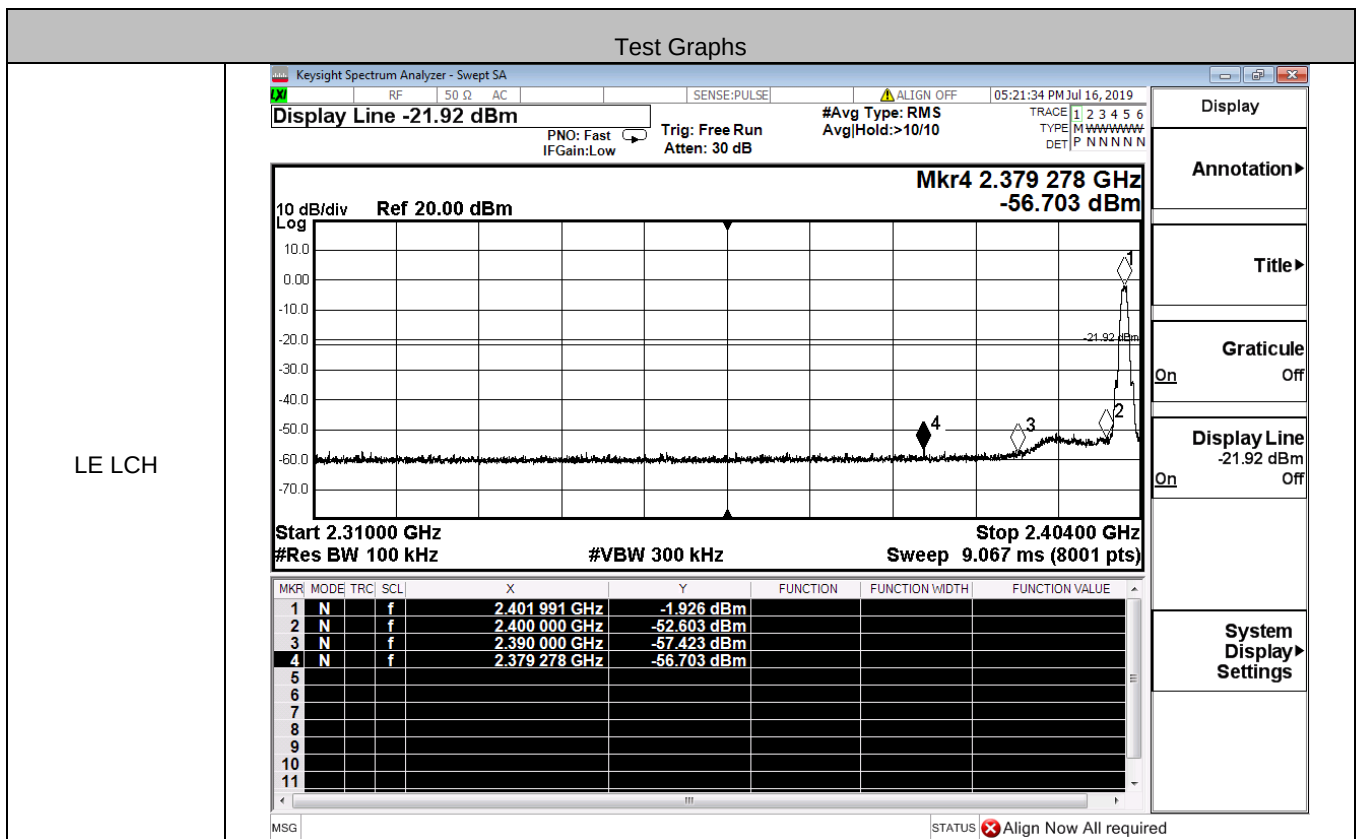


Puw/ LE/HCH

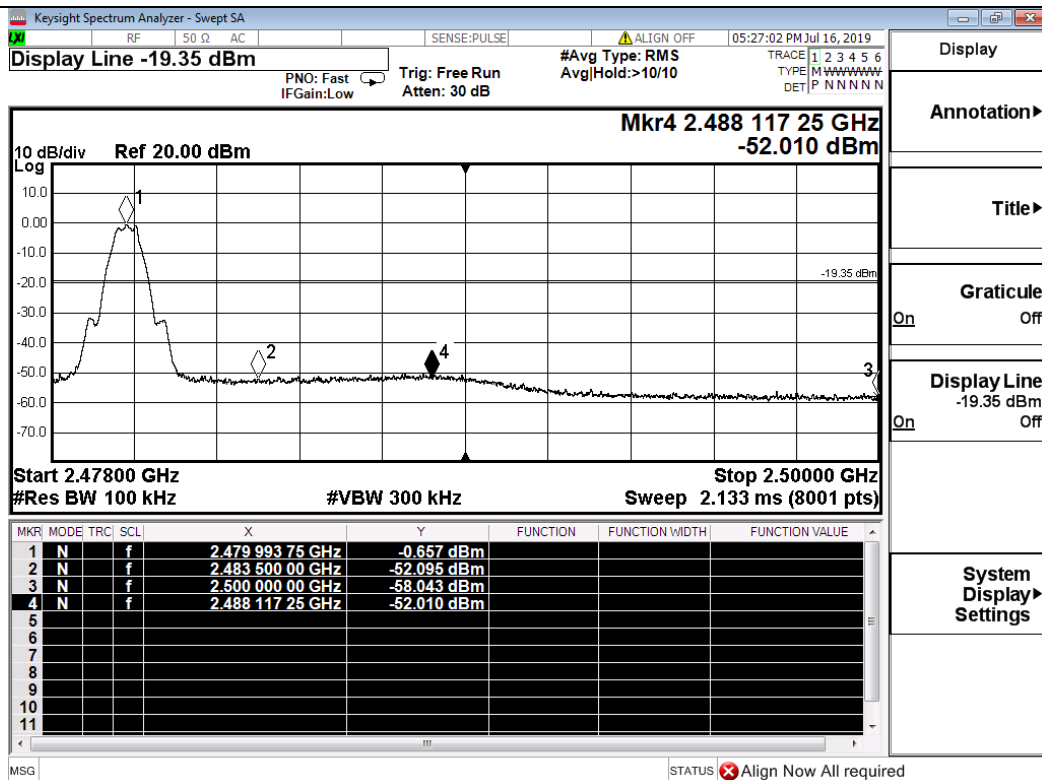


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
LE	LCH	-1.926	-52.603	-21.93	PASS
LE	HCH	-0.657	-52.010	-20.66	PASS



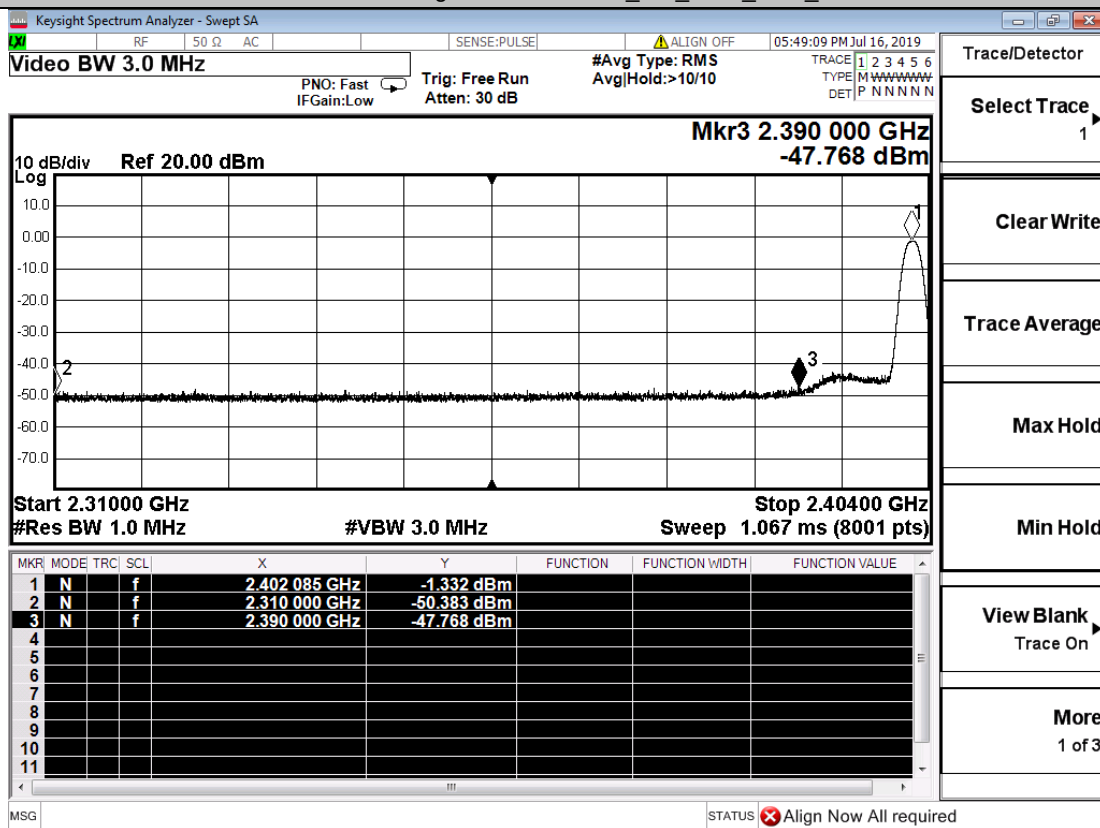
LE HCH



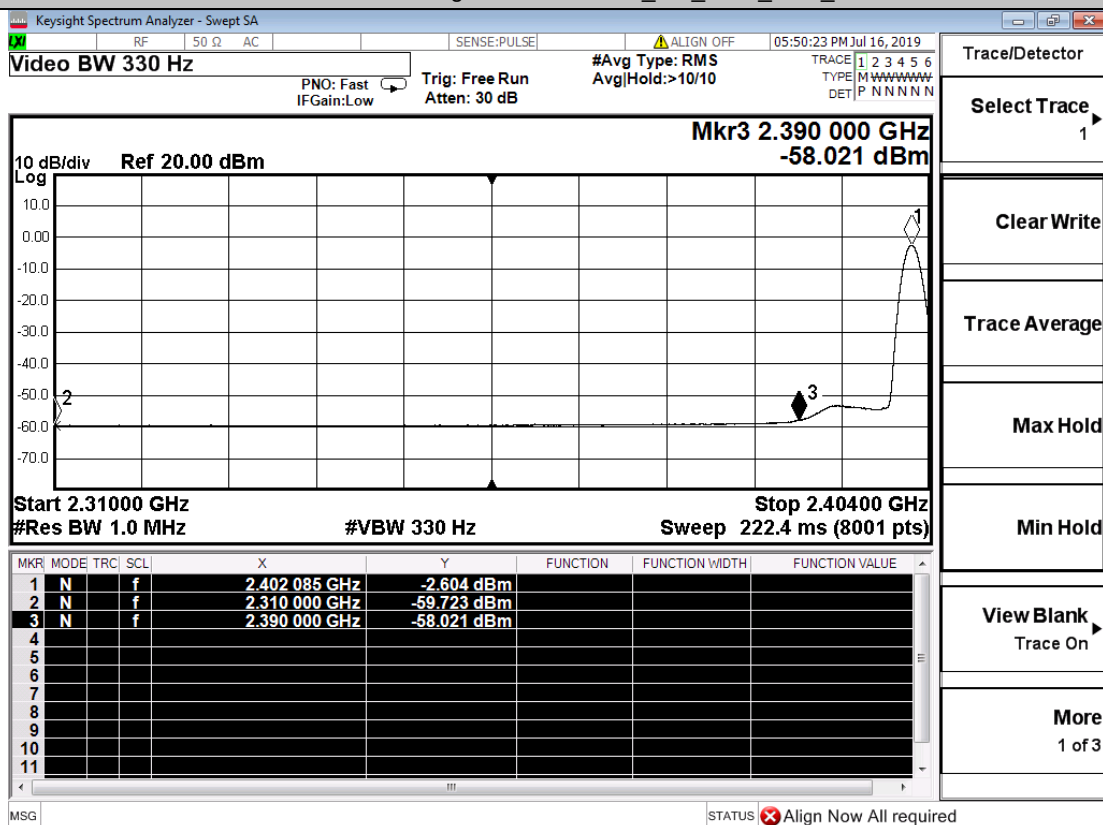
B.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
LE	2402	Ant1	2310.0	-50.383	3.000	0	47.85	PEAK	74	PASS
		Ant1	2310.0	-59.723	3.000	0	38.51	AV	54	PASS
		Ant1	2390.0	-47.768	3.000	0	50.46	PEAK	74	PASS
		Ant1	2390.0	-58.021	3.000	0	40.21	AV	54	PASS
	2480	Ant1	2483.5	-43.298	3.000	0	54.93	PEAK	74	PASS
		Ant1	2483.5	-52.354	3.000	0	45.88	AV	54	PASS
		Ant1	2500.0	-48.865	3.000	0	49.37	PEAK	74	PASS
		Ant1	2500.0	-58.392	3.000	0	39.84	AV	54	PASS

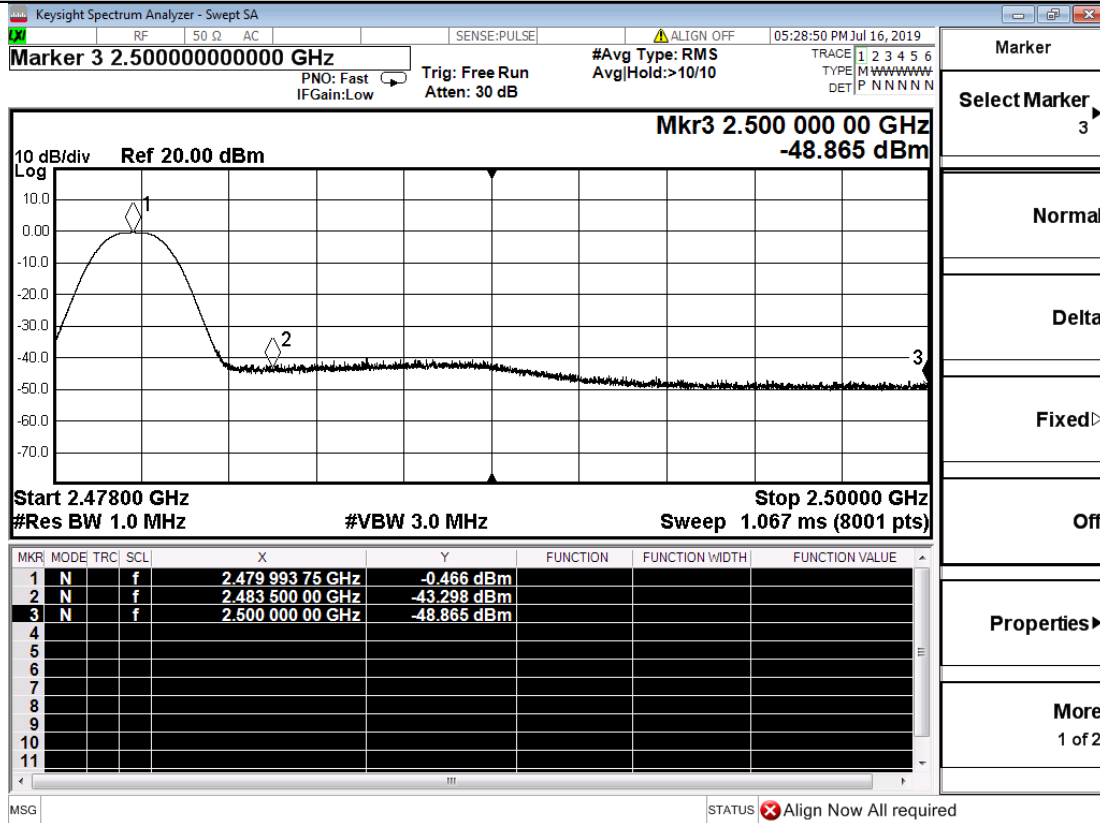
Restrict-band band-edge measurements_ LE_2402_Ant1_PEAK



Restrict-band band-edge measurements_ LE_2402_Ant1_AV



Restrict-band band-edge measurements_ LE_2480_Ant1_PEAK



Restrict-band band-edge measurements_ LE_2480_Ant1_AV

