

## Appendix B

### RF Test Data for BT 4.0(BLE) (Conducted Measurement)

Product Name: Notebook

Trade Mark: EMATIC

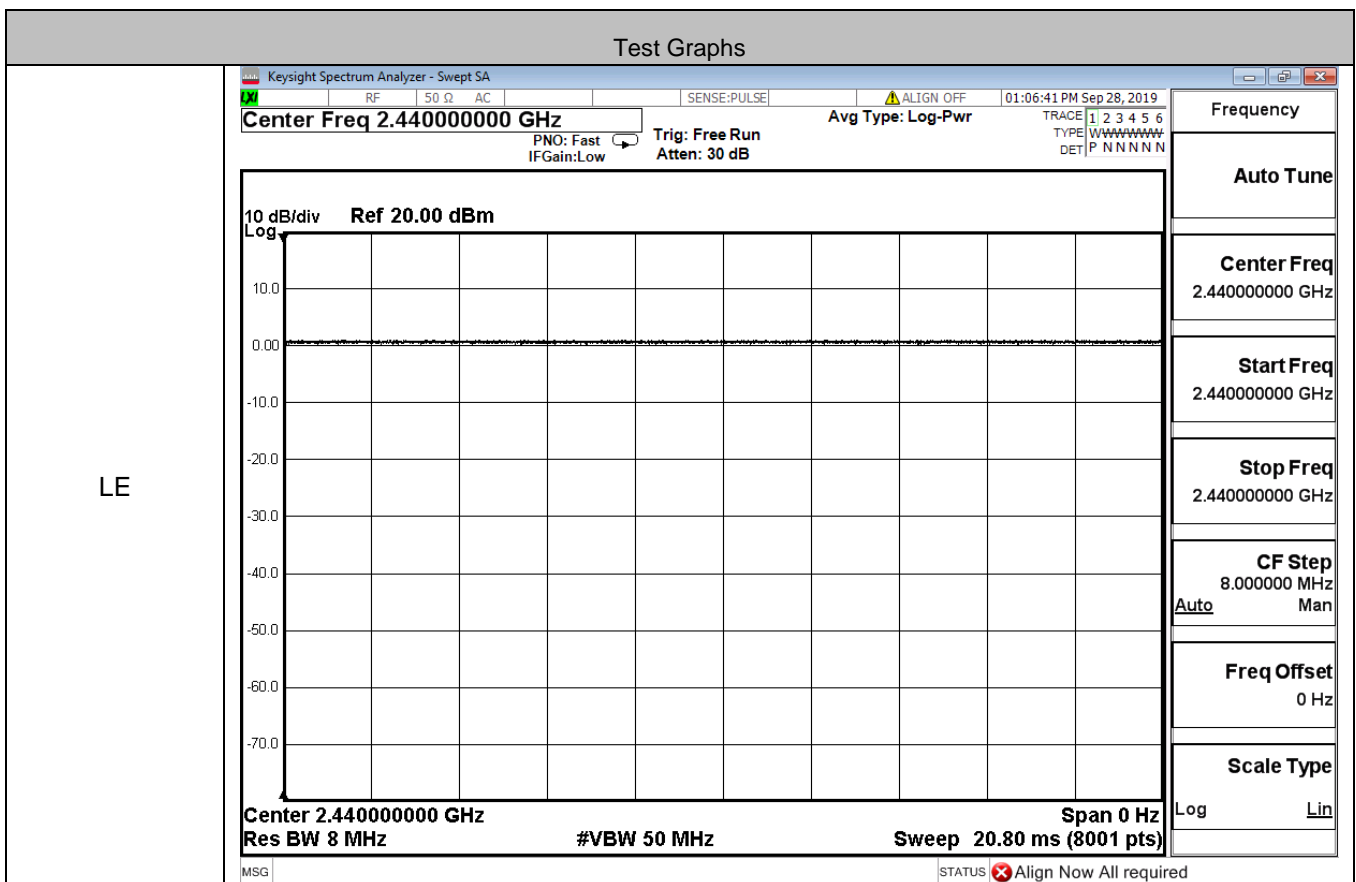
Test Model: EWT148

#### Environmental Conditions

Temperature:	23.6 ° C
Relative Humidity:	57%
ATM Pressure:	100.0 kPa
Test Engineer:	CHUANG WANG
Supervised by:	JAYDEN ZHUO

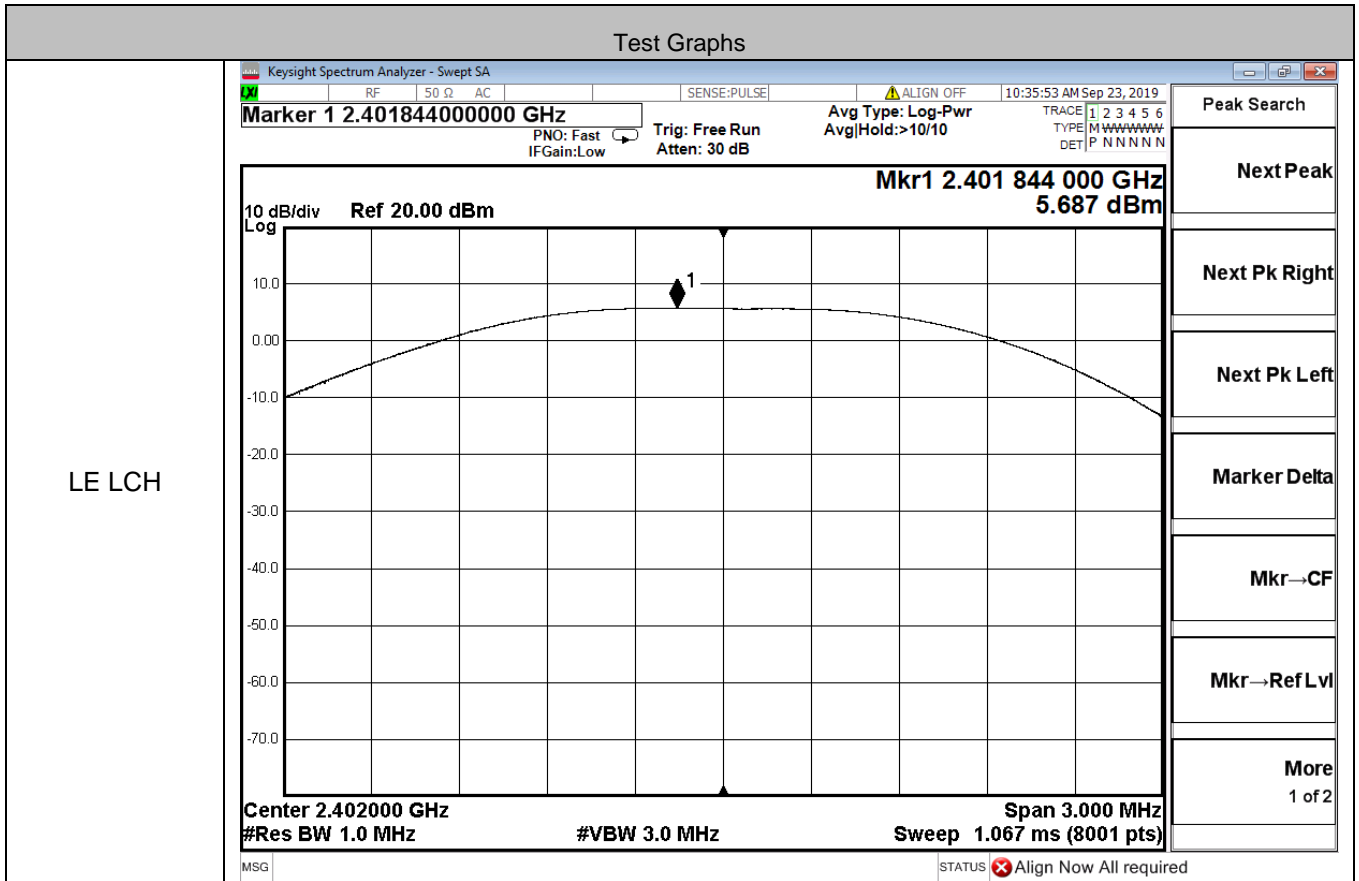
#### B.1 Duty Cycle

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

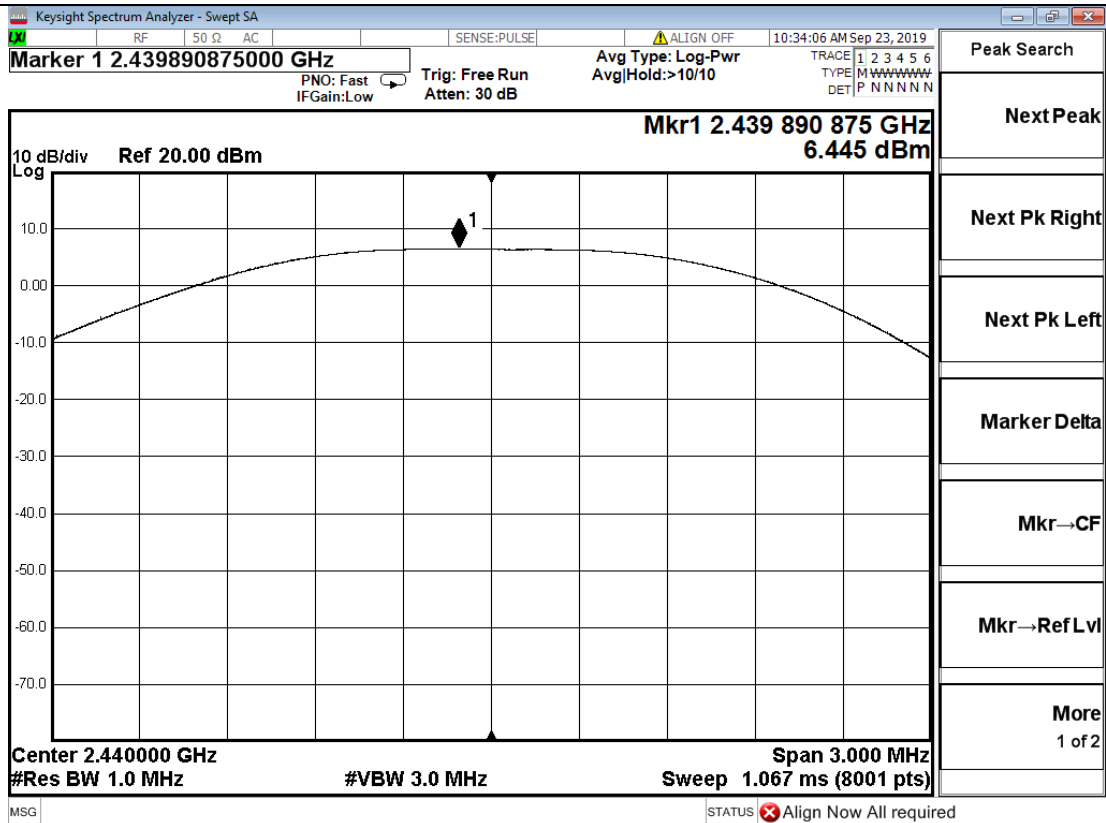


### B.2 Maximum Conducted Peak Output Power

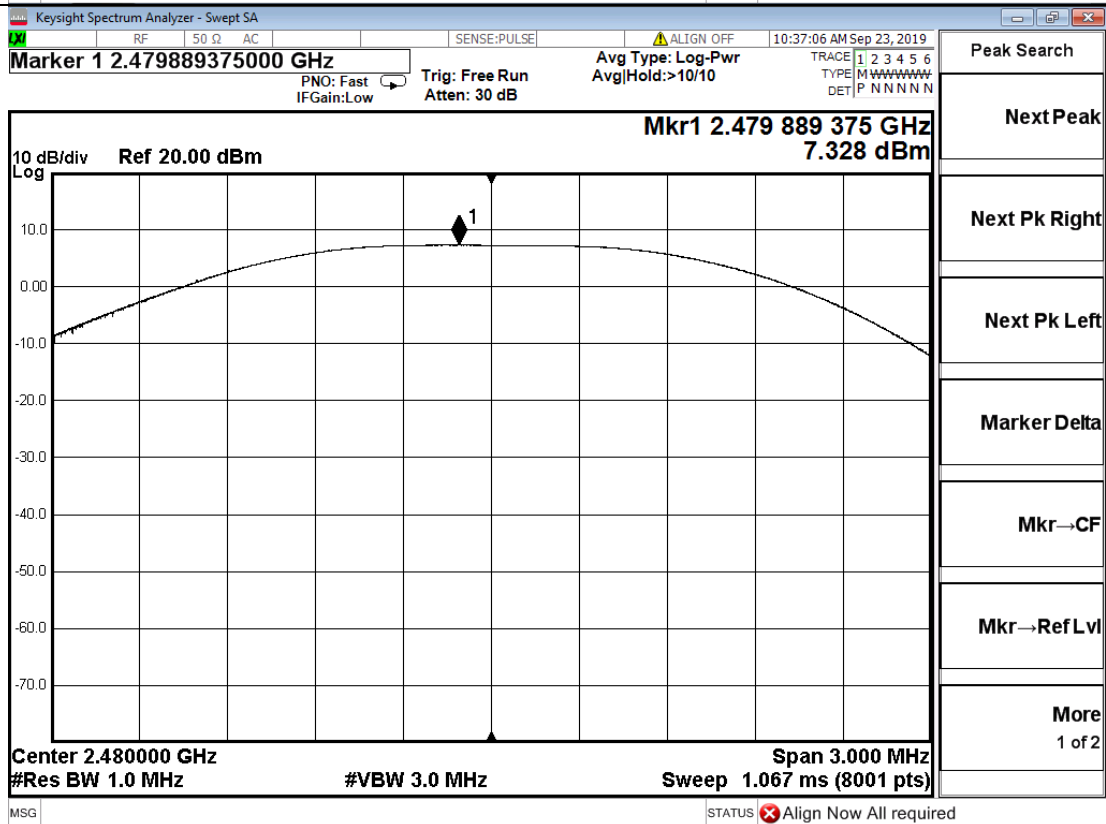
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
LE	LCH	5.687	30	PASS
LE	MCH	6.445	30	PASS
LE	HCH	7.328	30	PASS



LE MCH

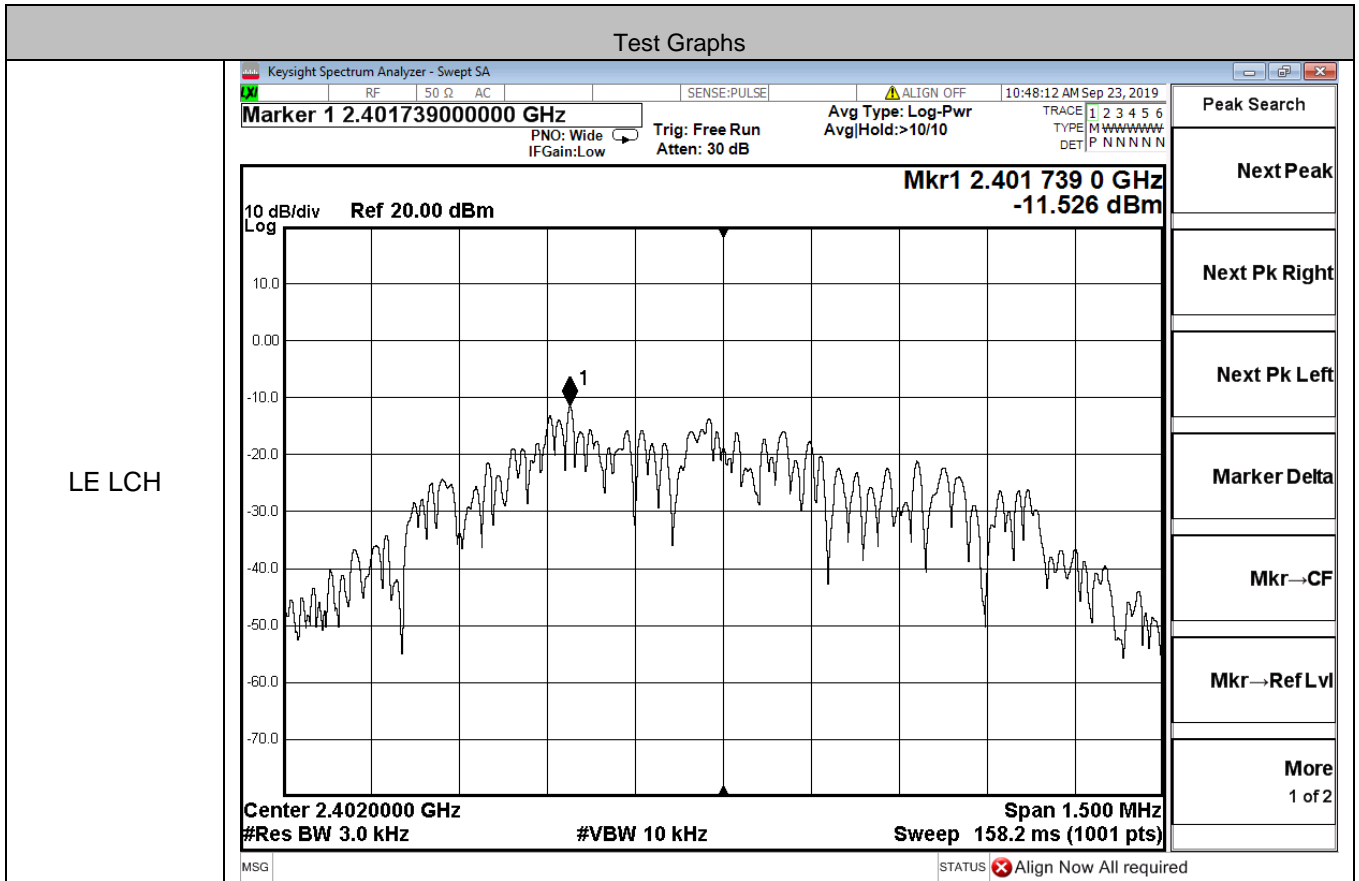


LE HCH

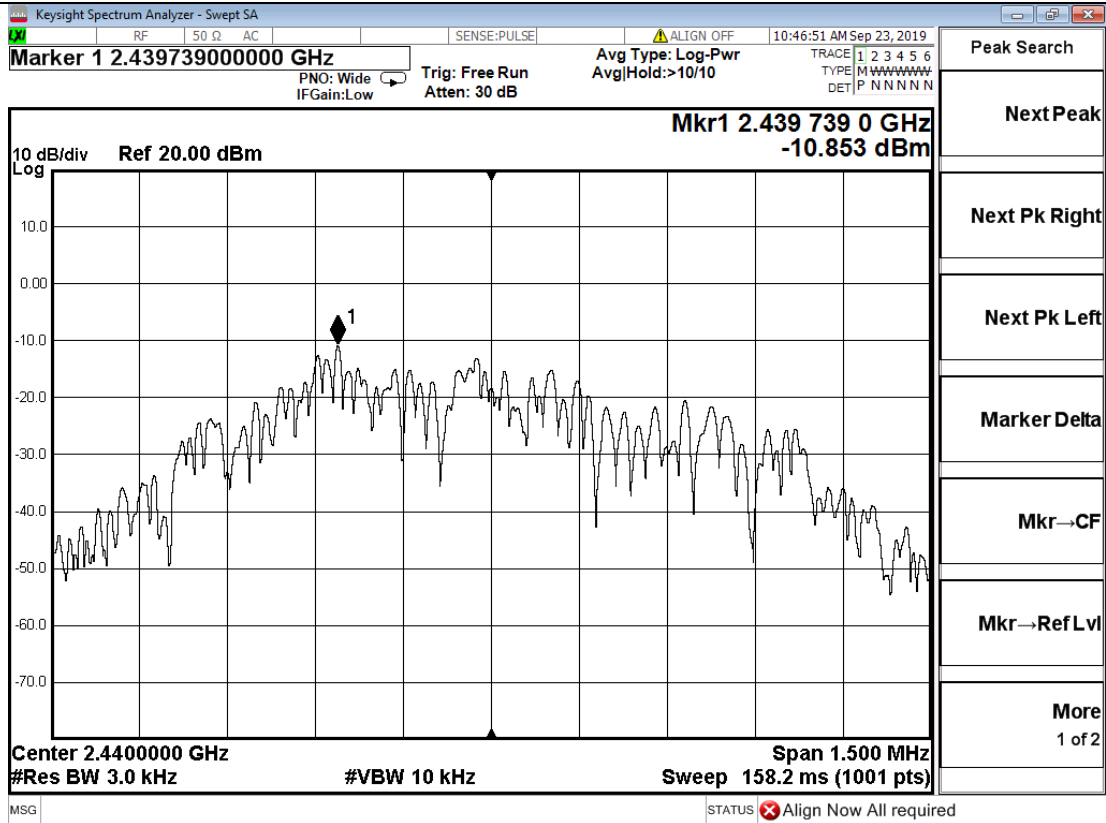


### B.3 Maximum Power Spectral Density

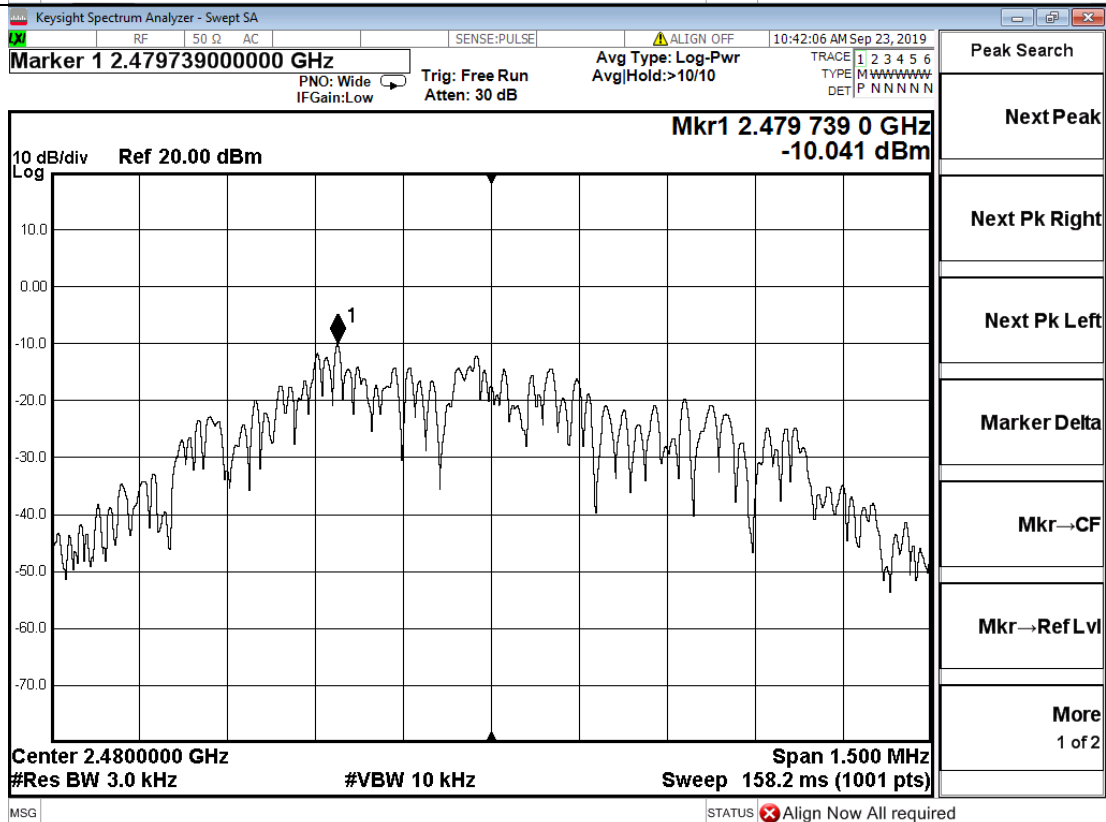
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
LE	LCH	-11.526	8	PASS
LE	MCH	-10.853	8	PASS
LE	HCH	-10.041	8	PASS



LE MCH

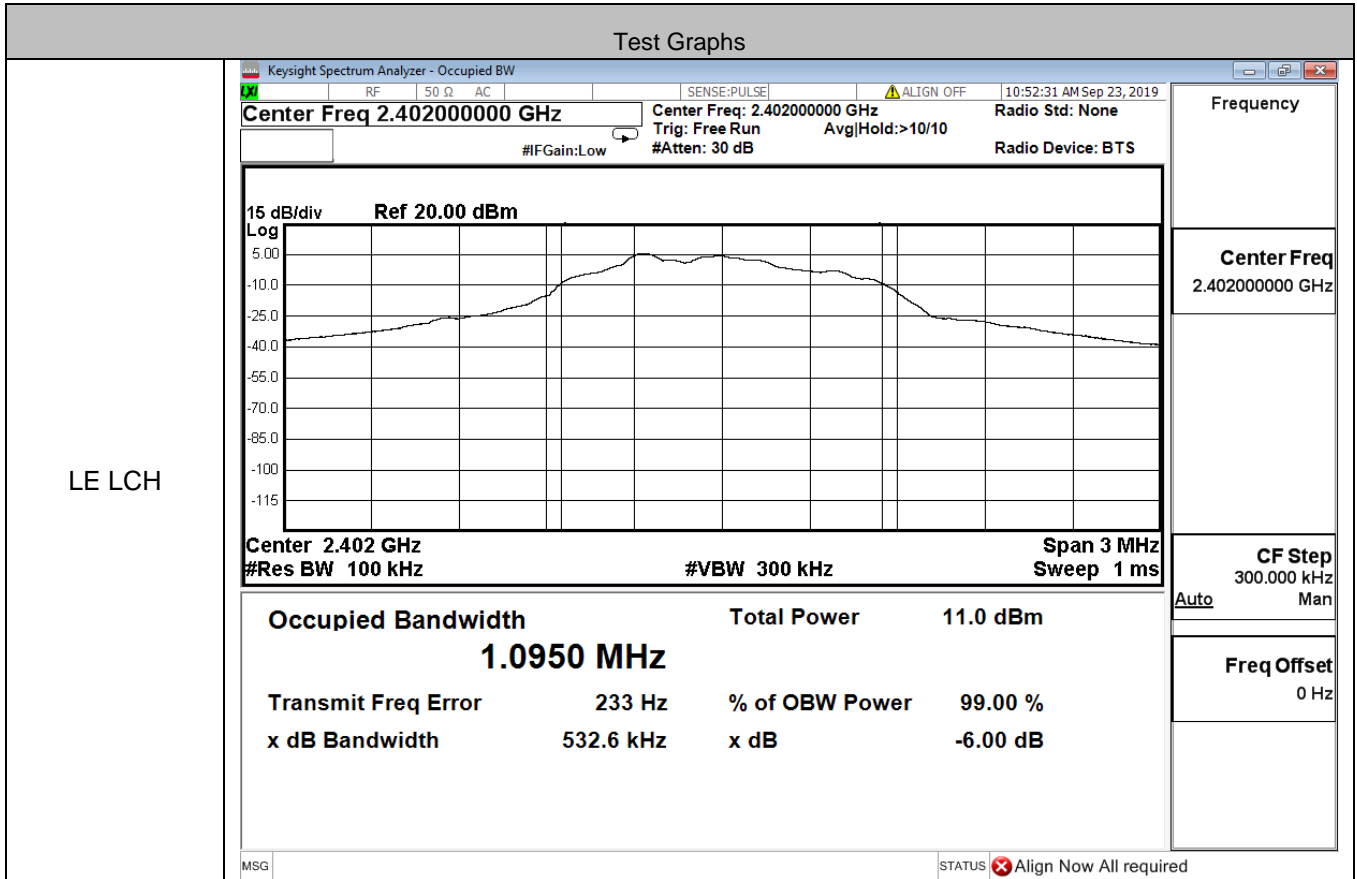


LE HCH

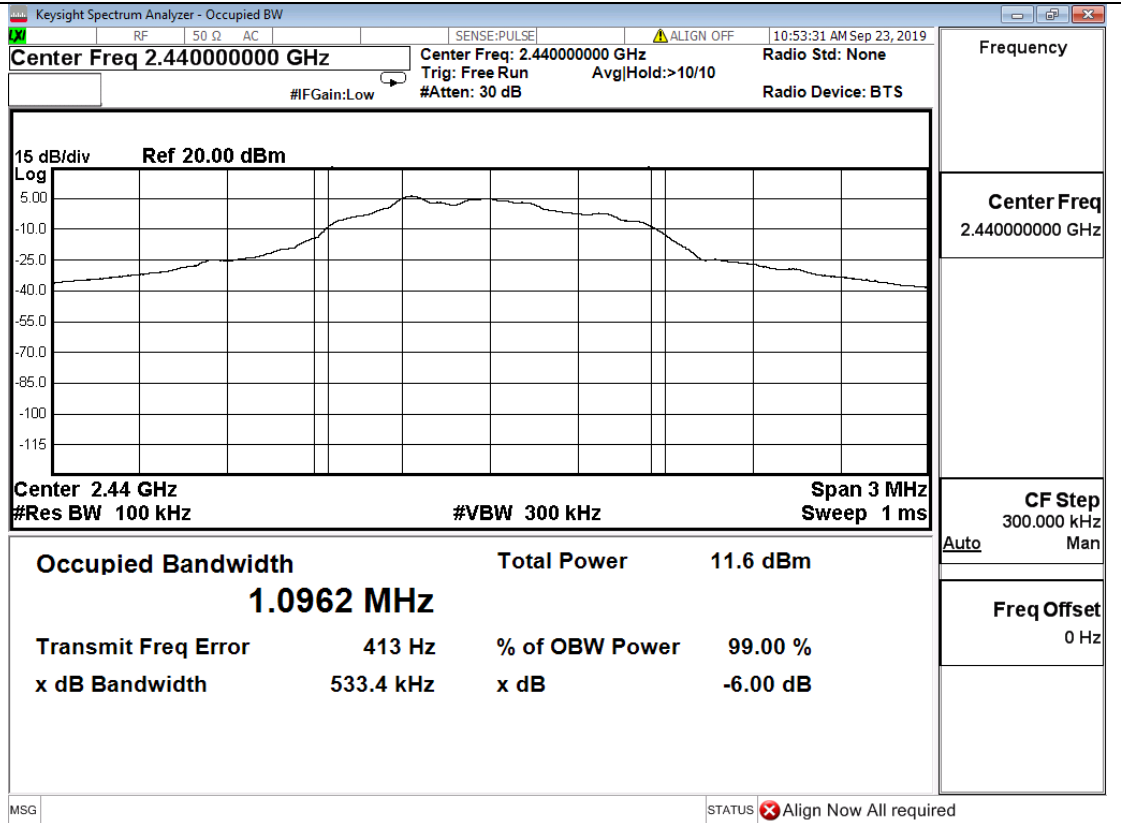


**B.4 6dB Bandwidth**

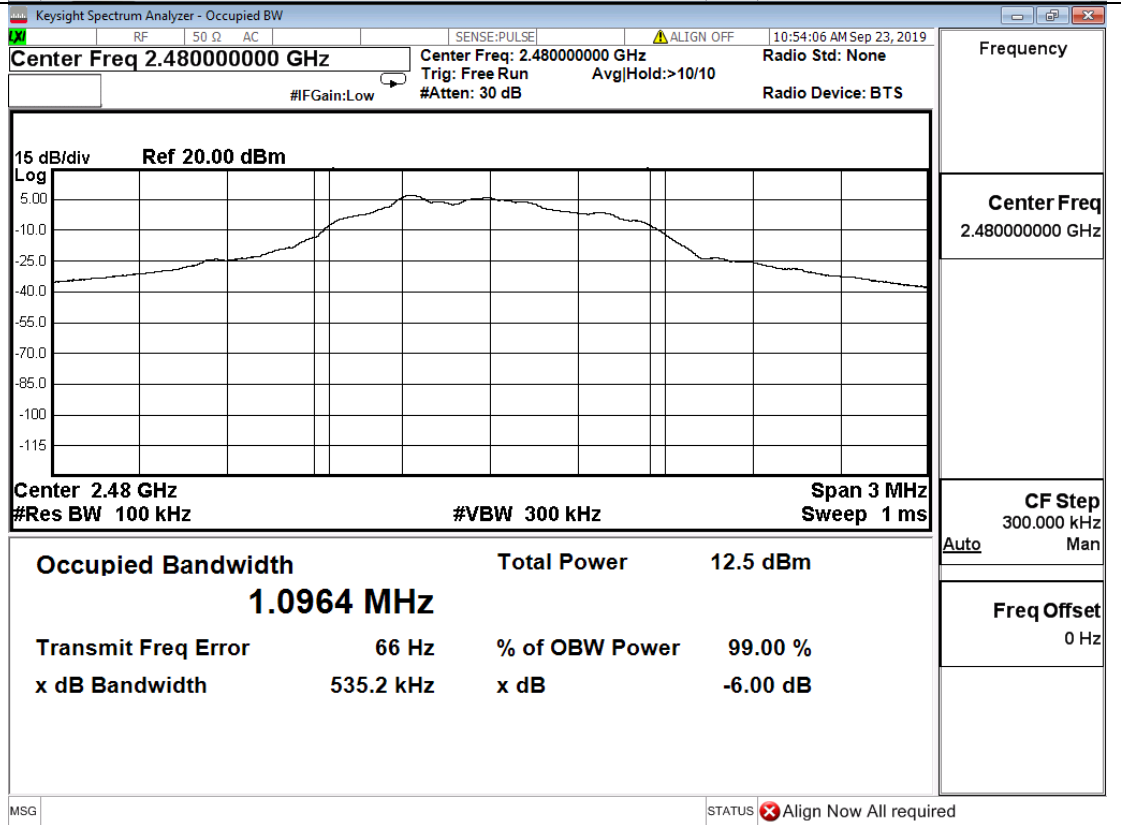
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
LE	LCH	0.5326	≥0.5	PASS
LE	MCH	0.5334	≥0.5	PASS
LE	HCH	0.5352	≥0.5	PASS



LE MCH



LE HCH



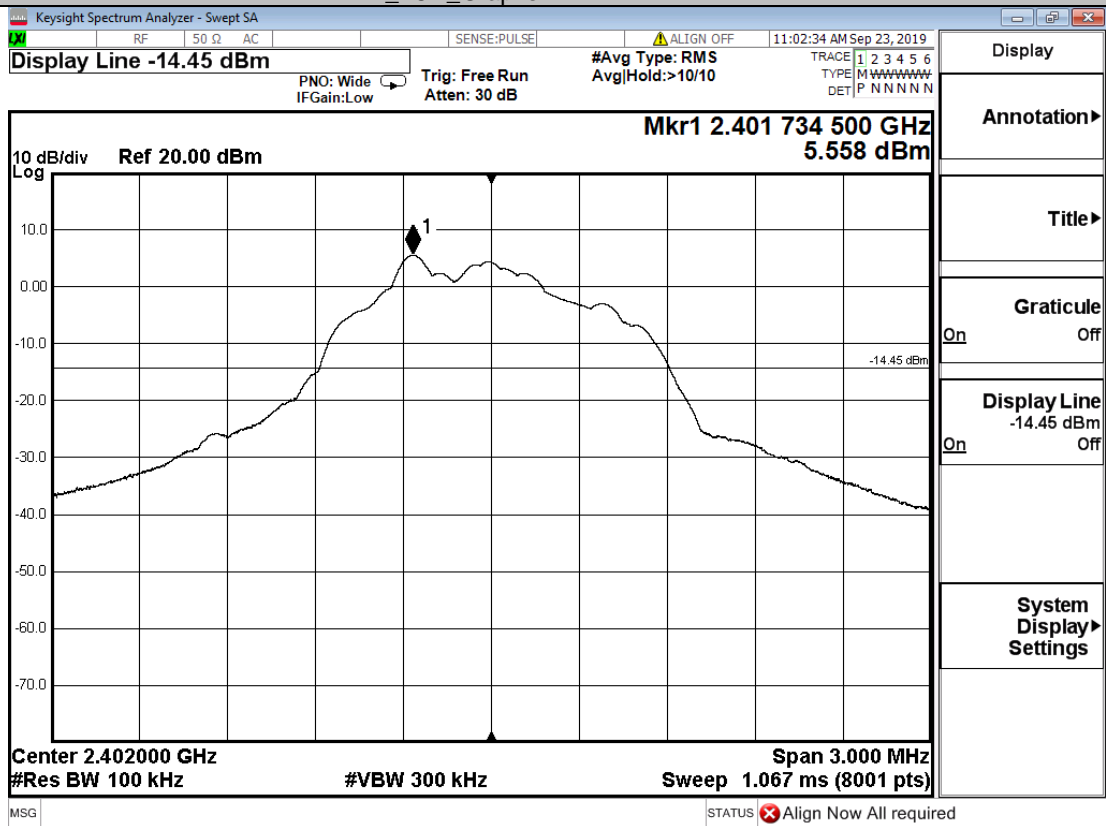
### B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
LE	LCH	5.558	-49.212	-14.44	PASS
LE	MCH	6.185	-48.895	-13.82	PASS
LE	HCH	7.032	-48.980	-12.97	PASS

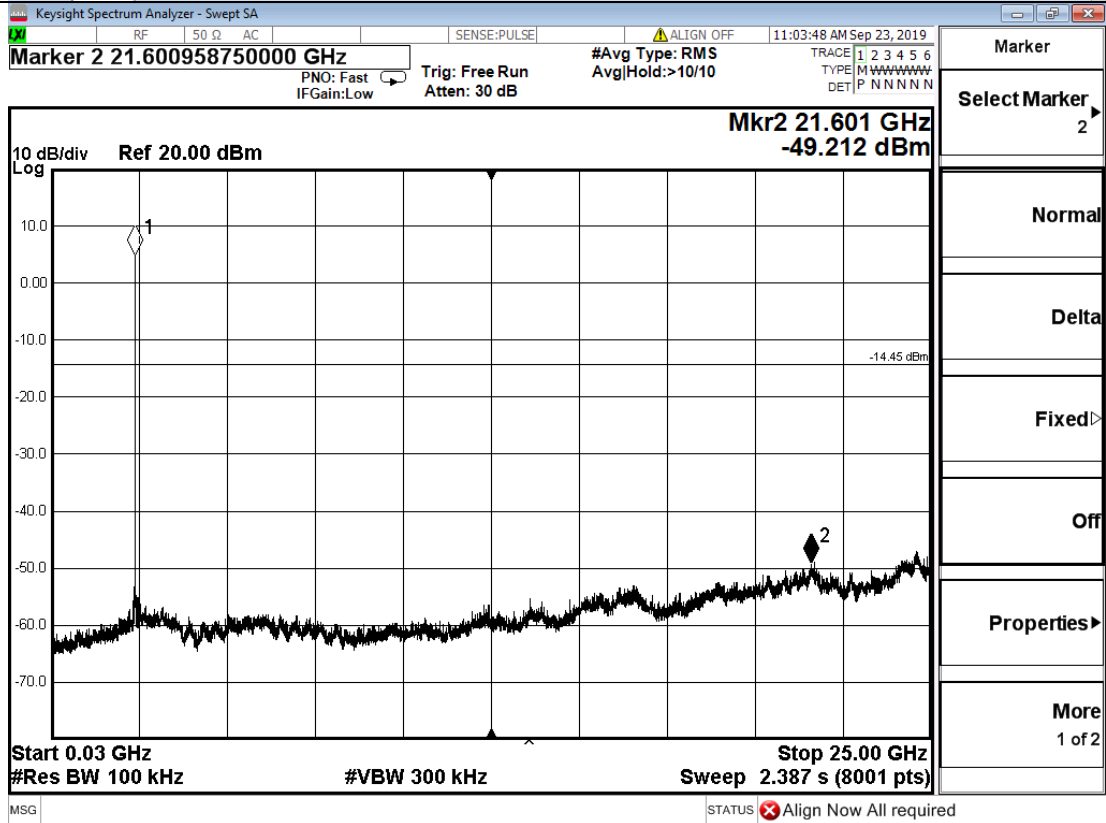


LE\_LCH\_Graphs

Pref/ LE/LCH

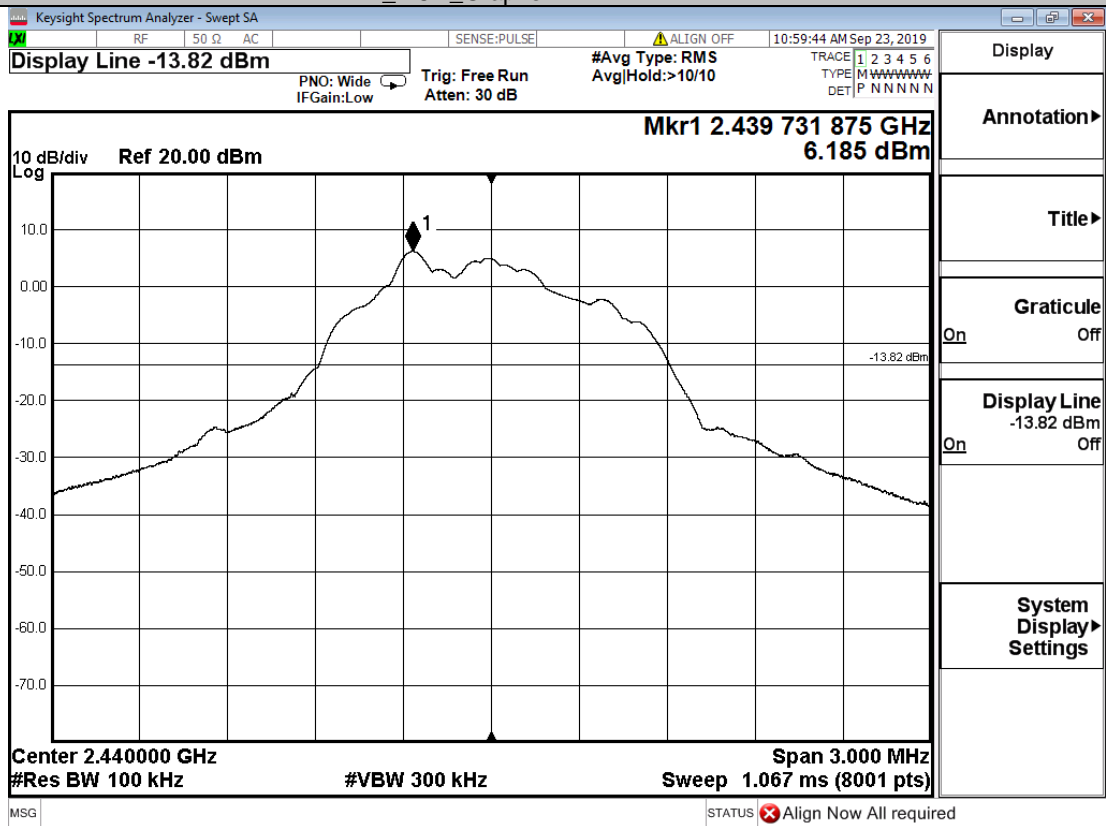


Puw/ LE/LCH



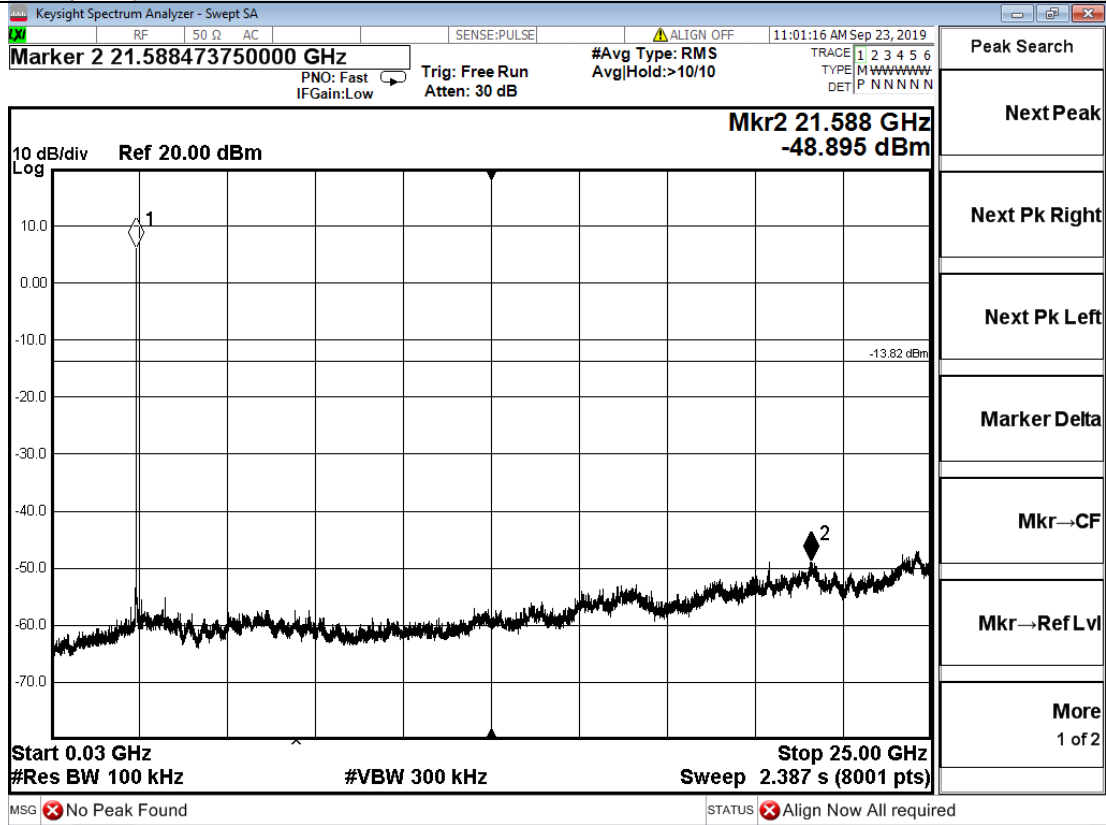
LE\_MCH\_Graphs

Pref/ LE/MCH



- Display
- Annotation
- Title
- Graticule On Off
- Display Line -13.82 dBm On Off
- System Display Settings

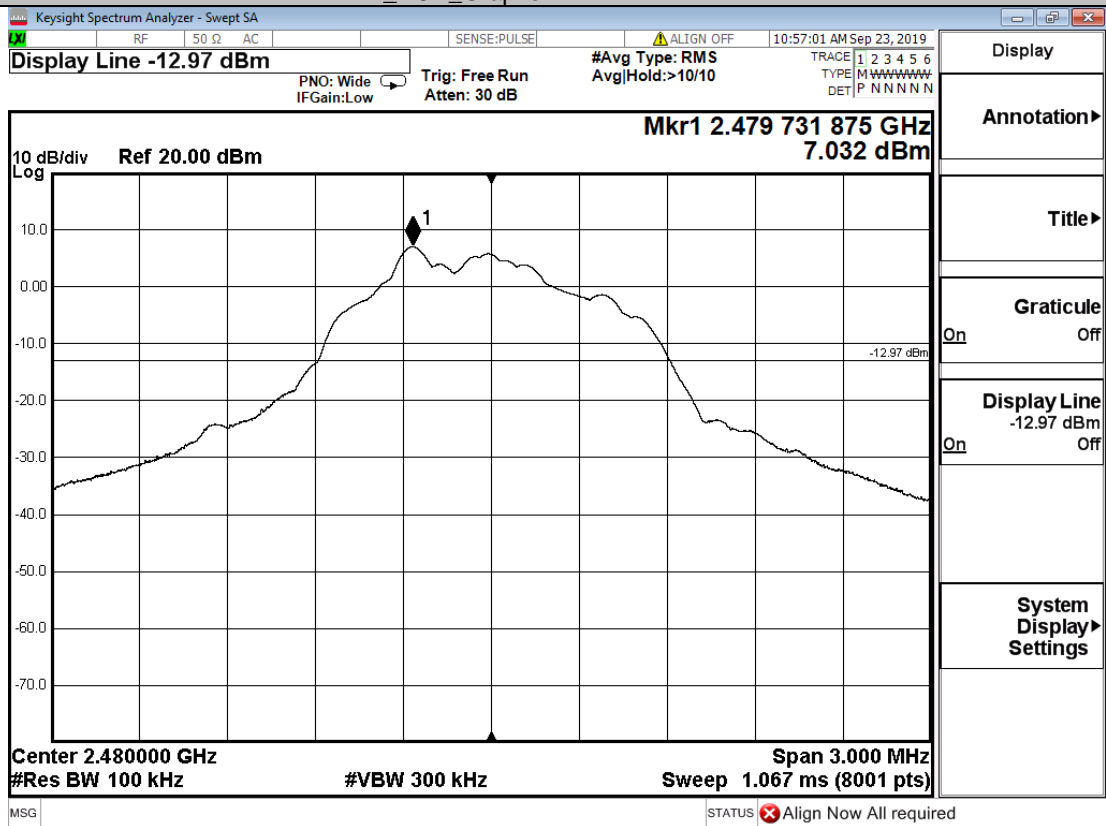
Puw/ LE/MCH



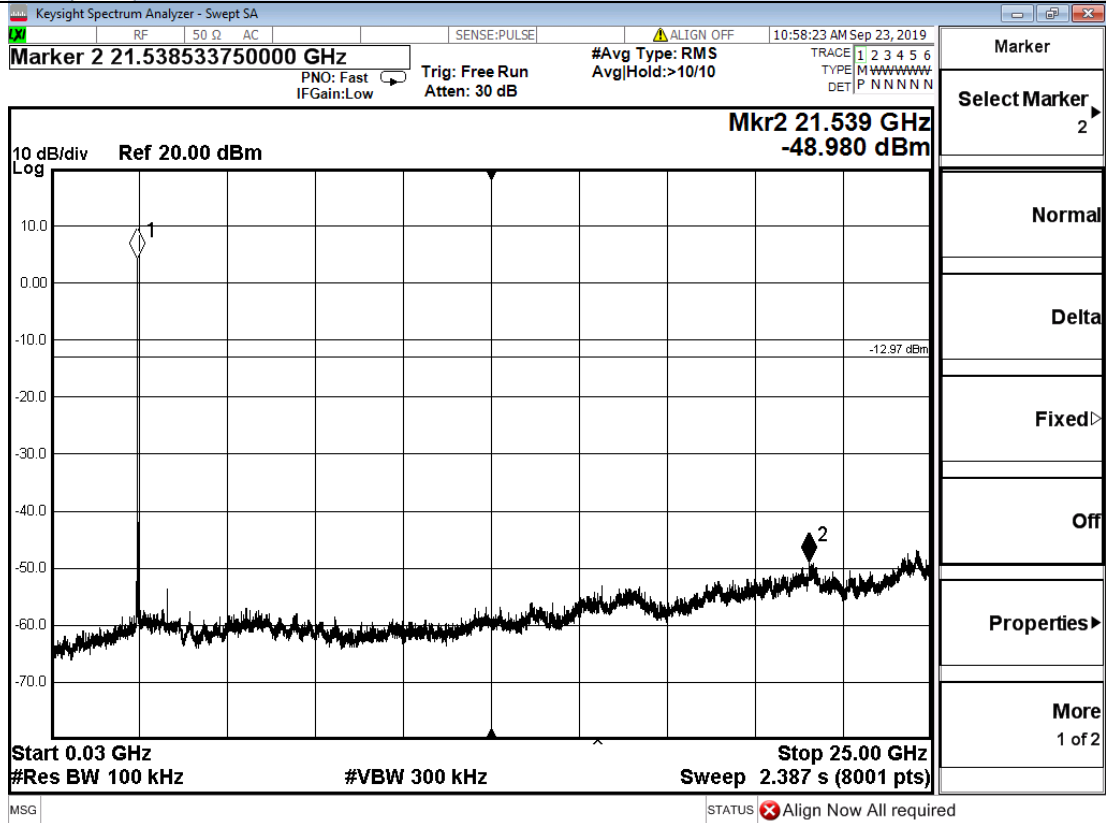
- Peak Search
- Next Peak
- Next Pk Right
- Next Pk Left
- Marker Delta
- Mkr→CF
- Mkr→Ref Lvl
- More 1 of 2

LE\_HCH\_Graphs

Pref/ LE/HCH



Puw/ LE/HCH



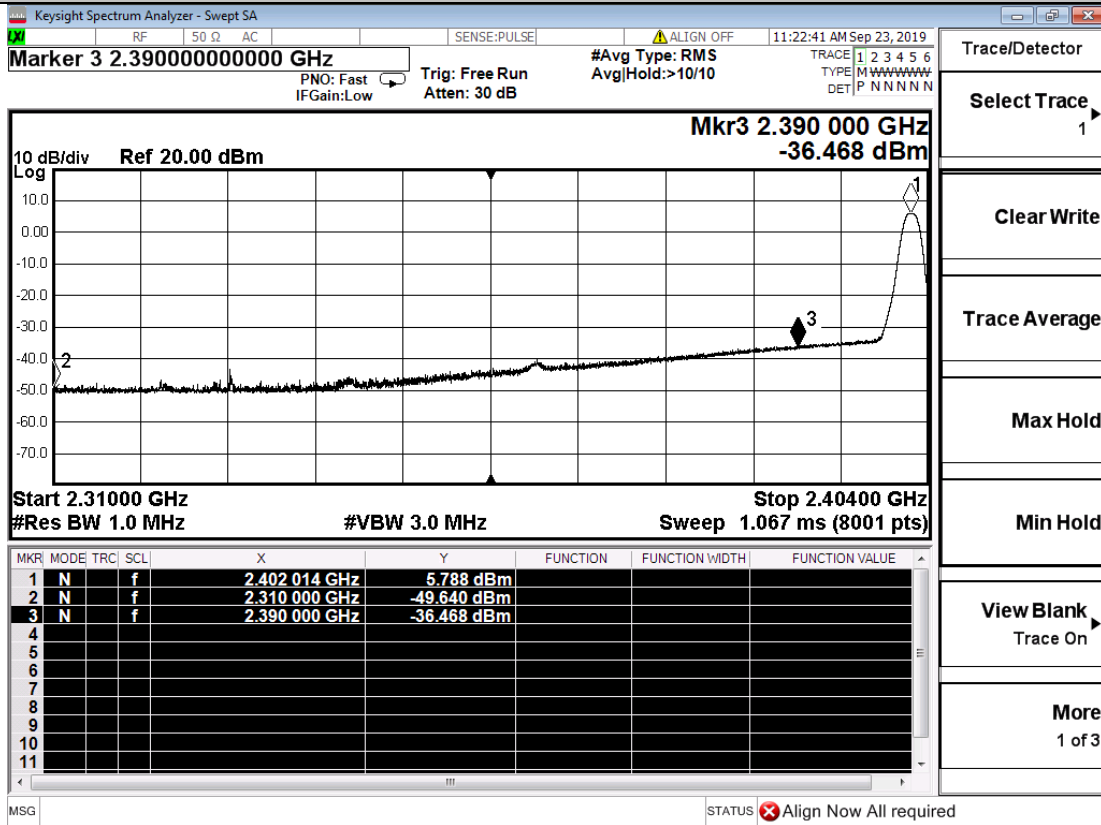




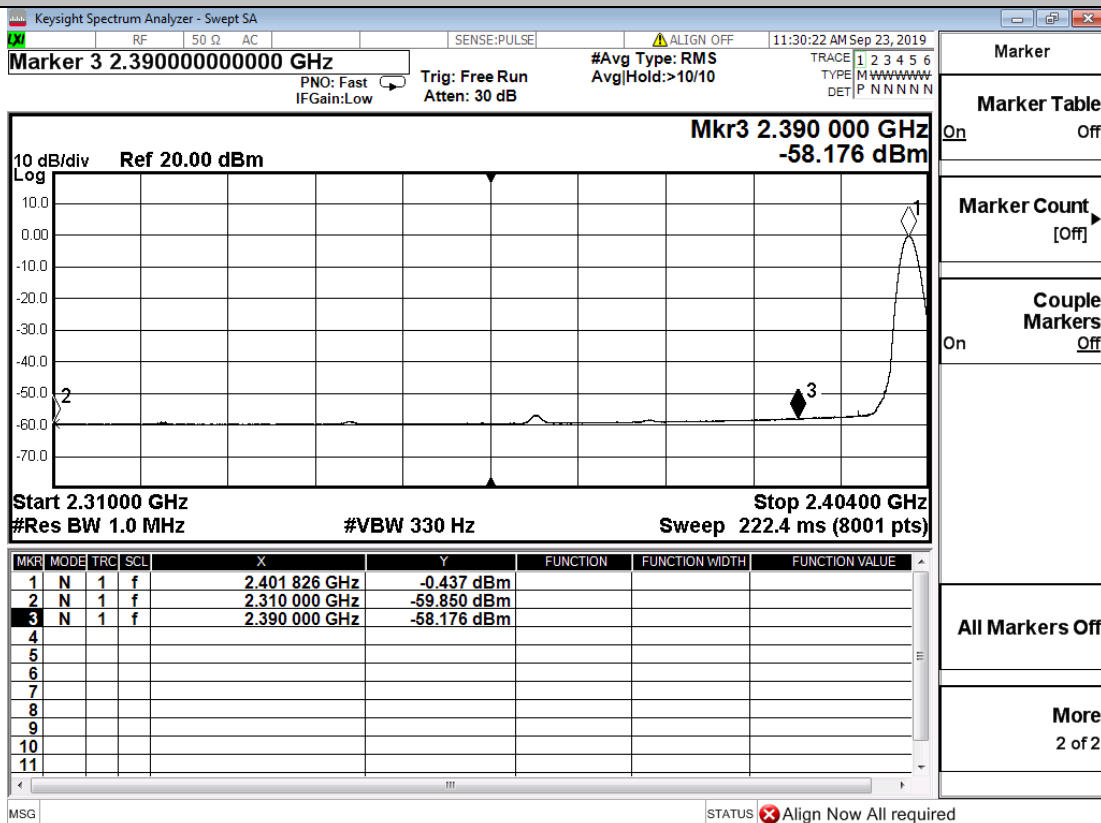
## B.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
LE	2402	Ant1	2310.0	-49.640	2.000	0	47.59	PEAK	74	PASS
		Ant1	2310.0	-59.850	2.000	0	37.38	AV	54	PASS
		Ant1	2390.0	-36.468	2.000	0	60.76	PEAK	74	PASS
		Ant1	2390.0	-58.176	2.000	0	39.05	AV	54	PASS
	2480	Ant1	2483.5	-34.113	2.000	0	63.12	PEAK	74	PASS
		Ant1	2483.5	-54.554	2.000	0	42.68	AV	54	PASS
		Ant1	2500.0	-38.511	2.000	0	58.72	PEAK	74	PASS
		Ant1	2500.0	-58.391	2.000	0	38.84	AV	54	PASS

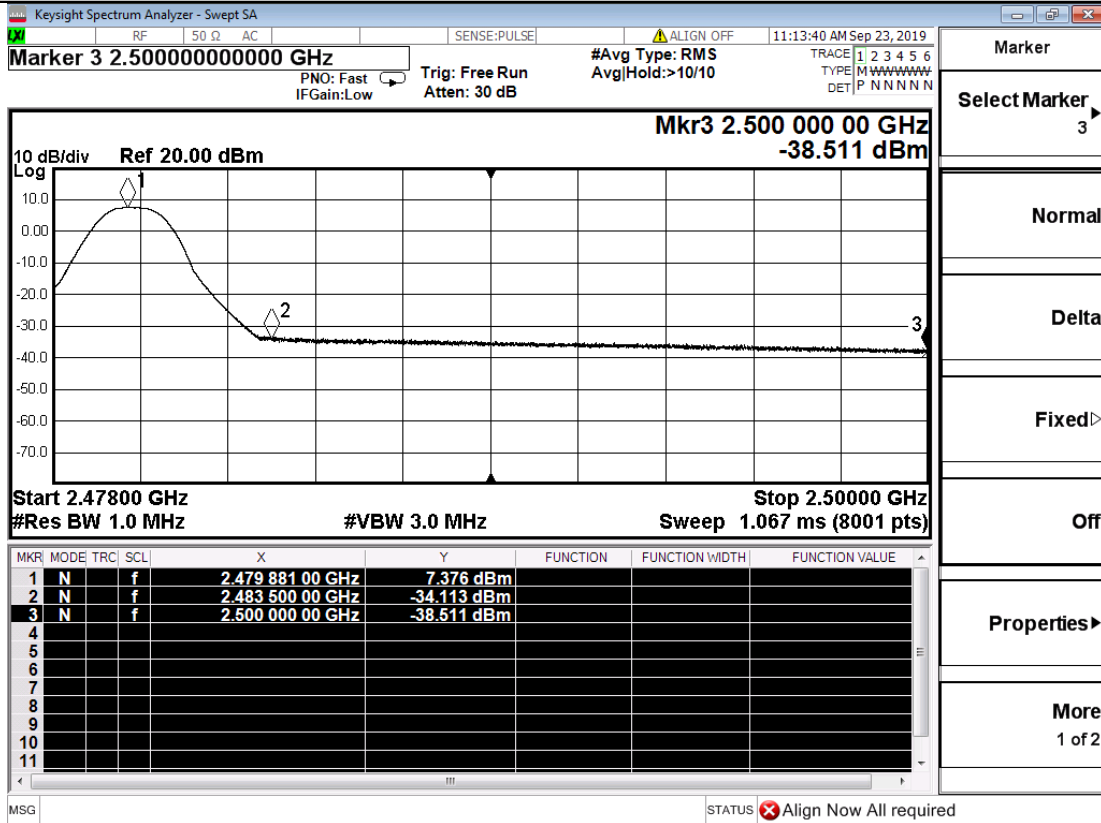
Restrict-band band-edge measurements\_ LE\_2402\_Ant1\_PEAK



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

