

## Appendix B

### RF Test Data for BT V4.1 (BT LE) (Conducted Measurement)

Product Name: Tablet PC

Trade Mark: ALLDOCUBE

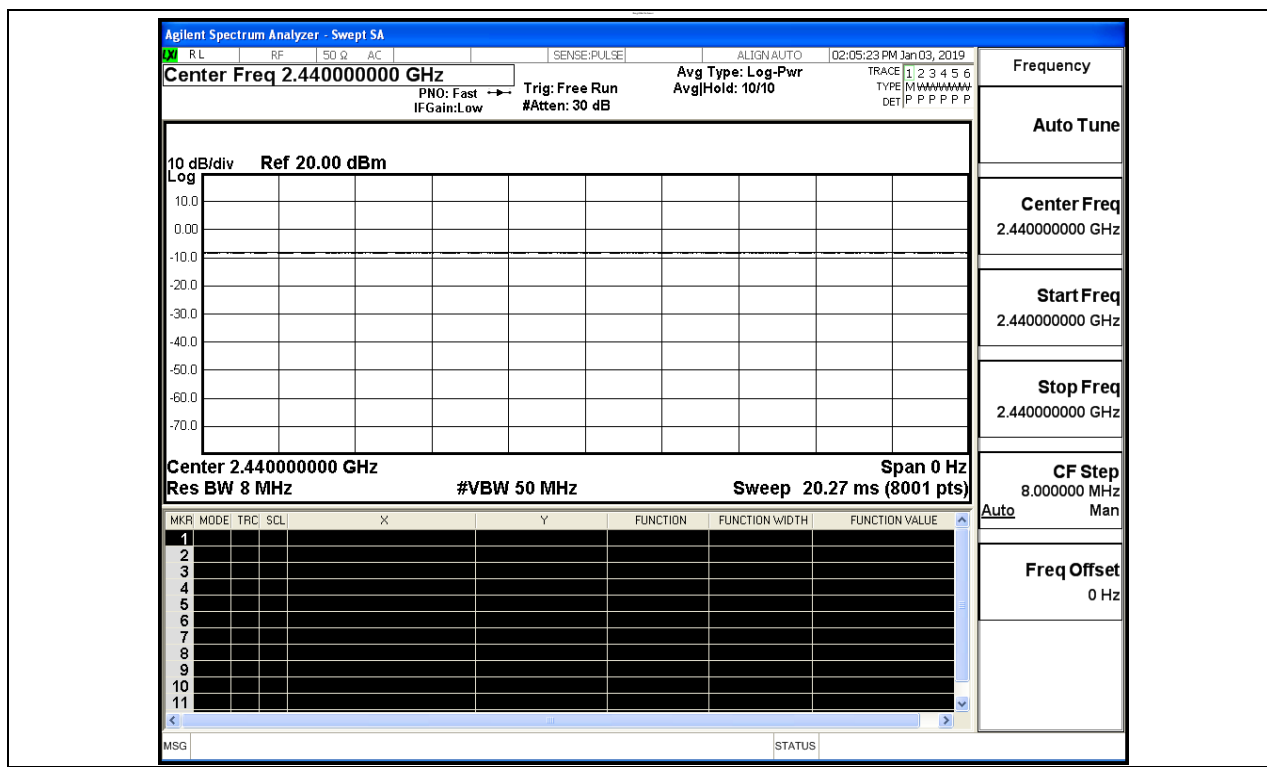
Test Model: U1005

#### Environmental Conditions

Temperature:	22.5° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Jayden.Zhuo

#### B.1 Duty Cycle

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

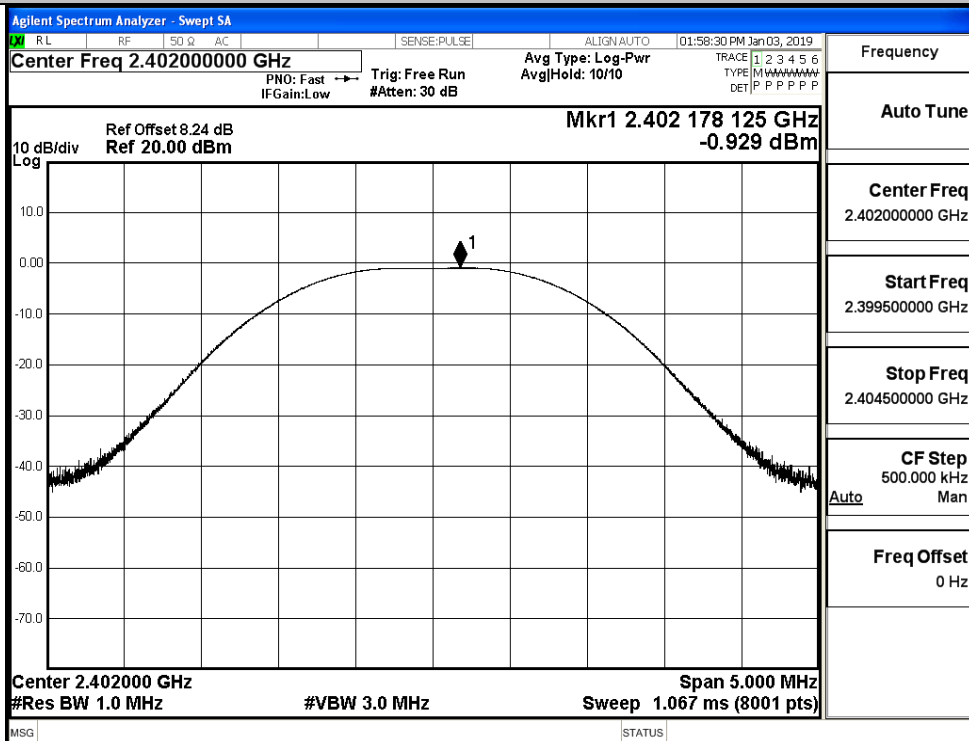


## B.2 Maximum Conducted Peak Output Power

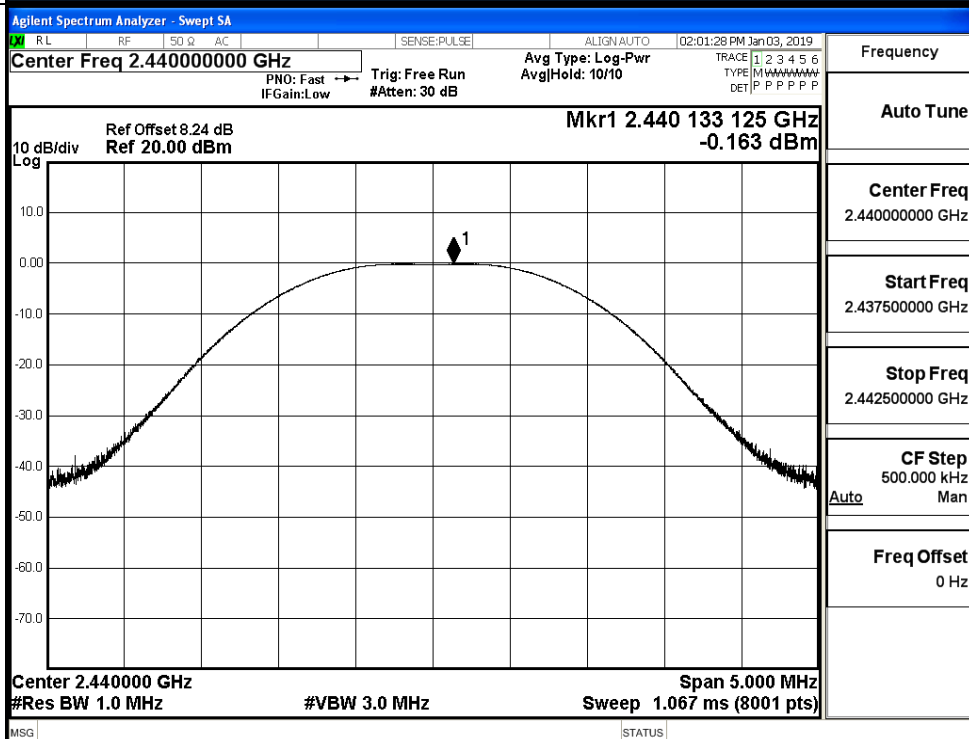
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.929	30	PASS
BT LE	MCH	-0.163	30	PASS
BT LE	HCH	-0.615	30	PASS

Test Graphs

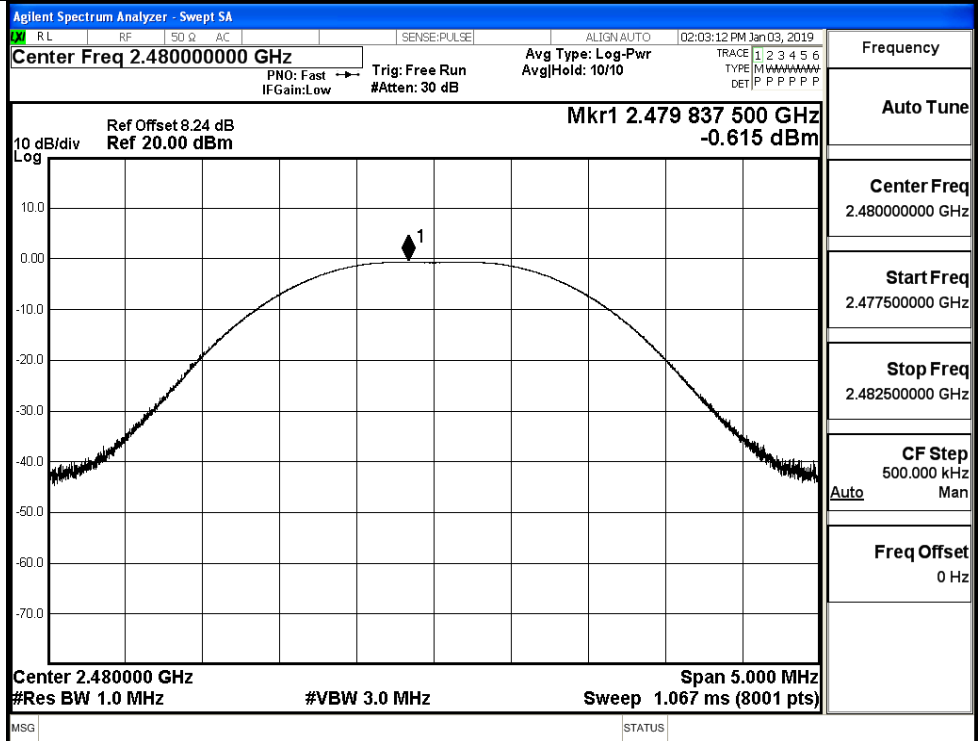
LCH



MCH



HCH

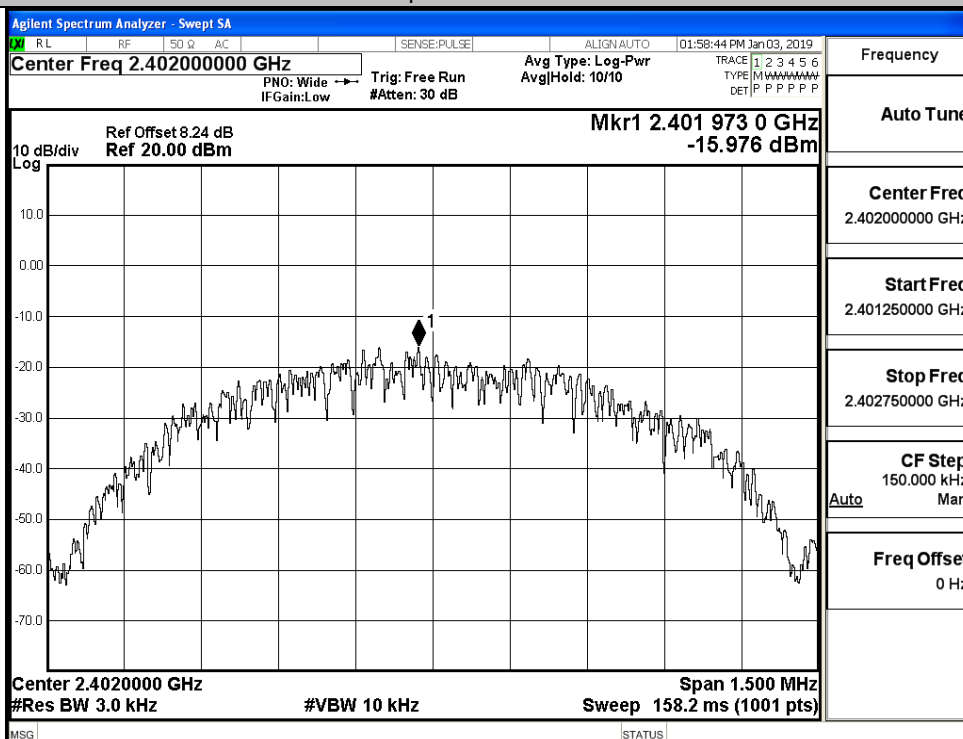


### B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-15.976	8	PASS
BT LE	MCH	-15.084	8	PASS
BT LE	HCH	-15.679	8	PASS

#### Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.402000000 GHz

Start Freq

2.401250000 GHz

Stop Freq

2.402750000 GHz

CF Step

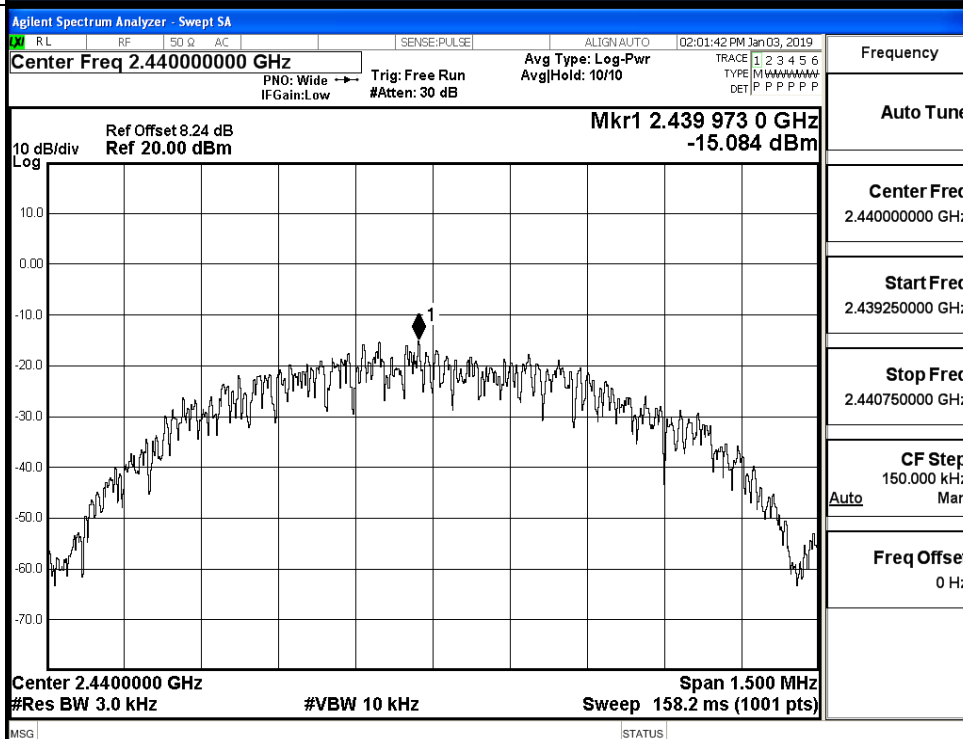
150.000 kHz

Auto

Freq Offset

0 Hz

MCH



Frequency

Auto Tune

Center Freq

2.440000000 GHz

Start Freq

2.439250000 GHz

Stop Freq

2.440750000 GHz

CF Step

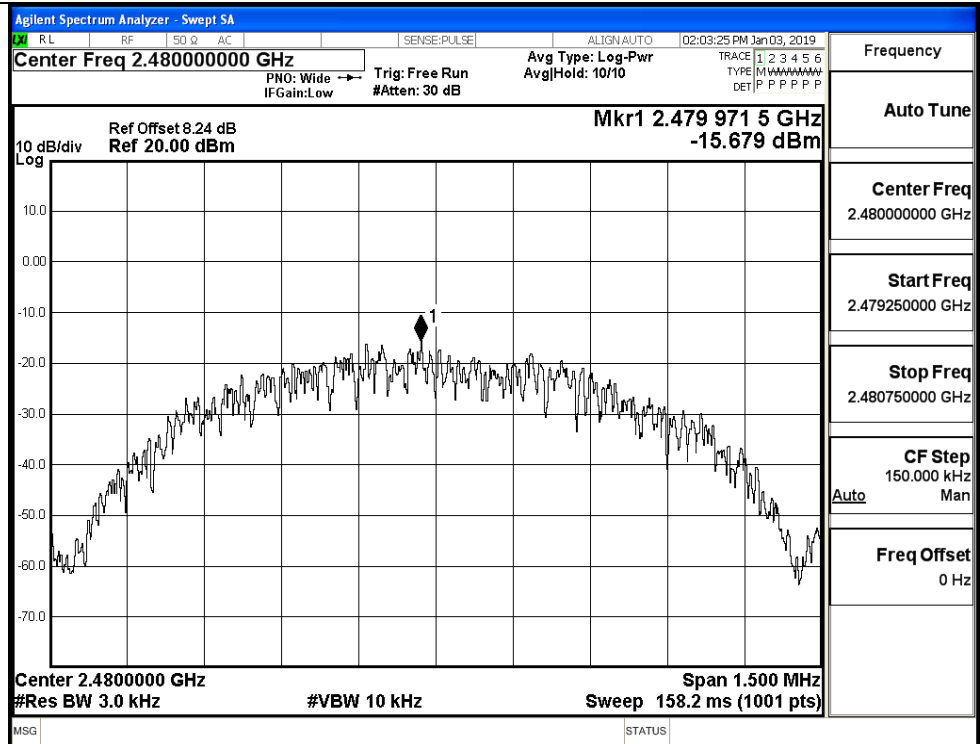
150.000 kHz

Auto

Freq Offset

0 Hz

HCH

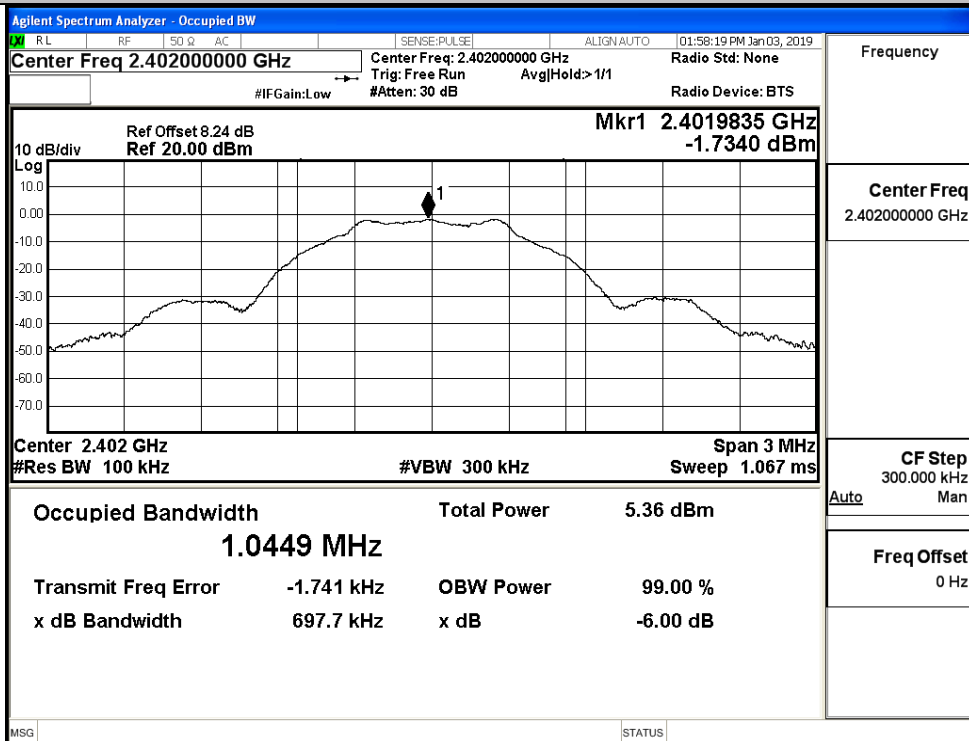


## B.4 6dB Bandwidth

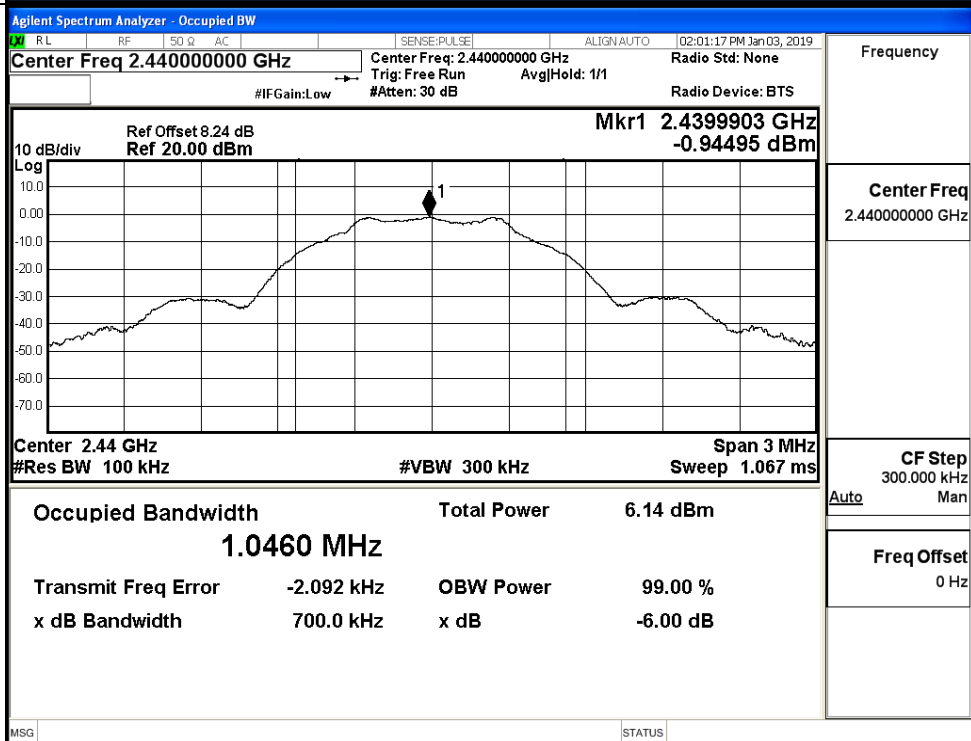
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6977	$\geq 0.5$	PASS
BT LE	MCH	0.7000	$\geq 0.5$	PASS
BT LE	HCH	0.6970	$\geq 0.5$	PASS

## Test Graphs

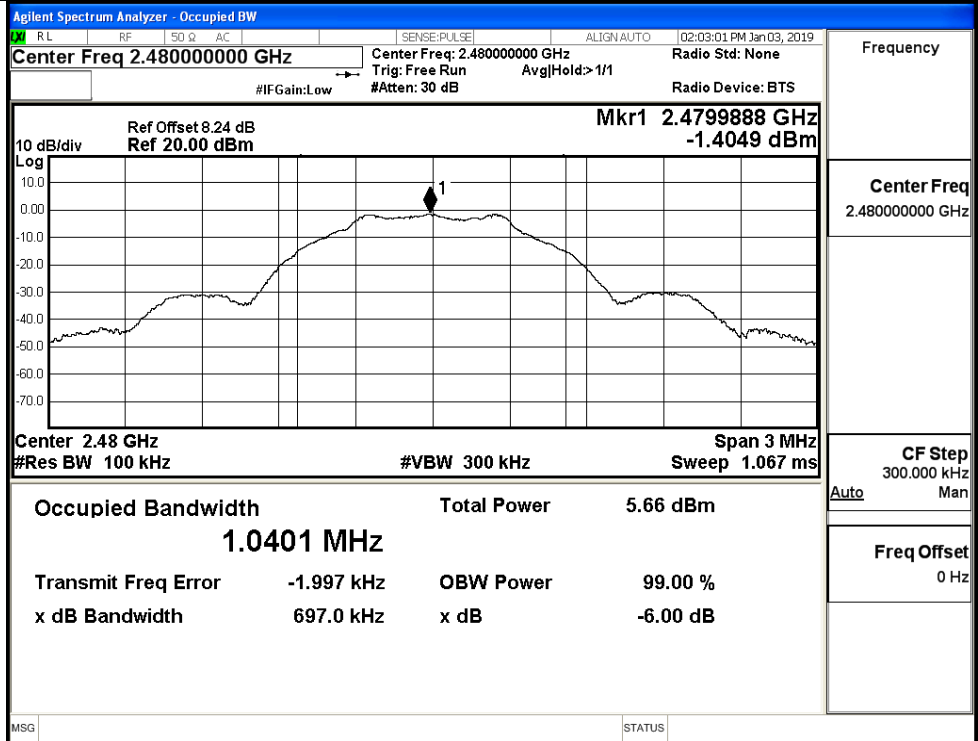
LCH



MCH



HCH



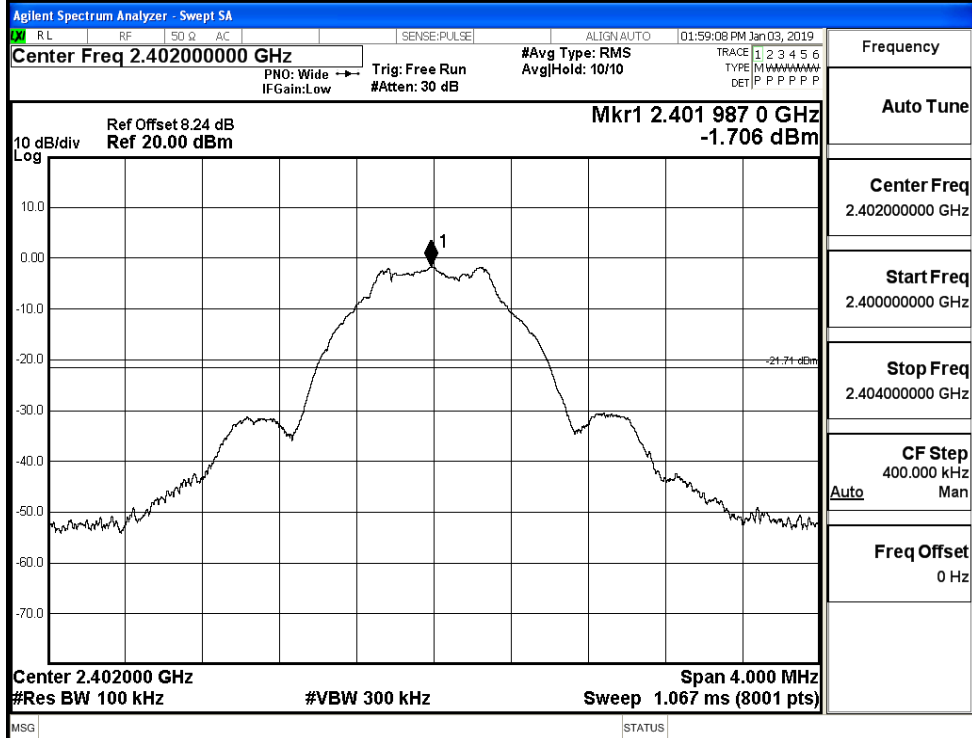
**B.5 RF Conducted Spurious Emissions**

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.706	-43.982	-21.706	PASS
BT LE	MCH	-0.969	-44.295	-20.969	PASS
BT LE	HCH	-1.367	-43.803	-21.367	PASS

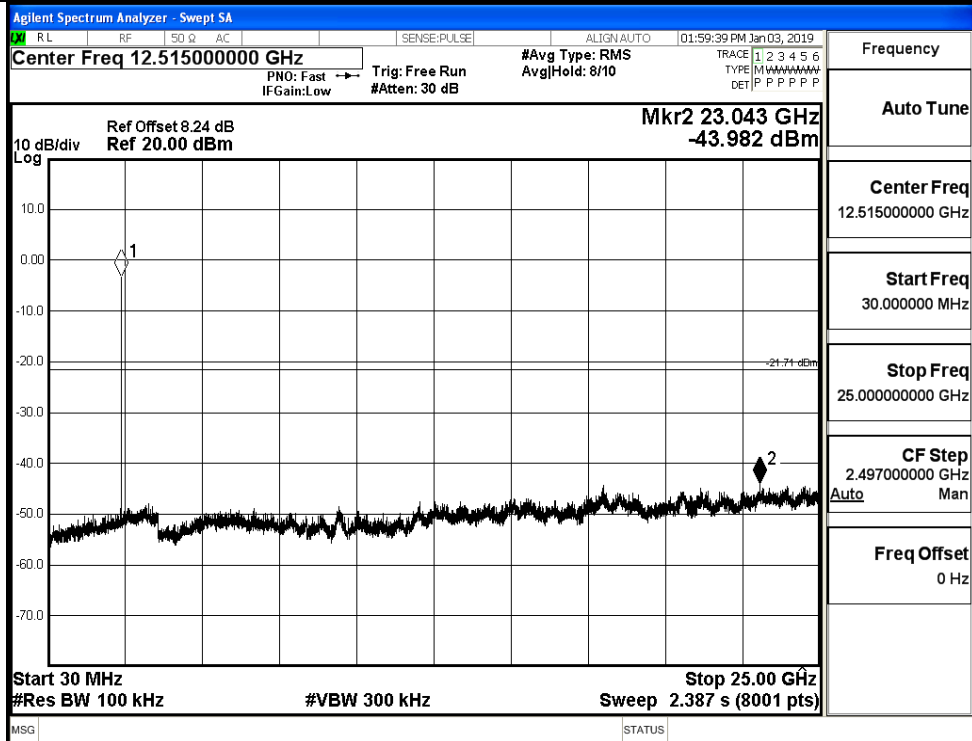


## BT LE\_LCH\_Graphs

Pref/BT LE/LCH

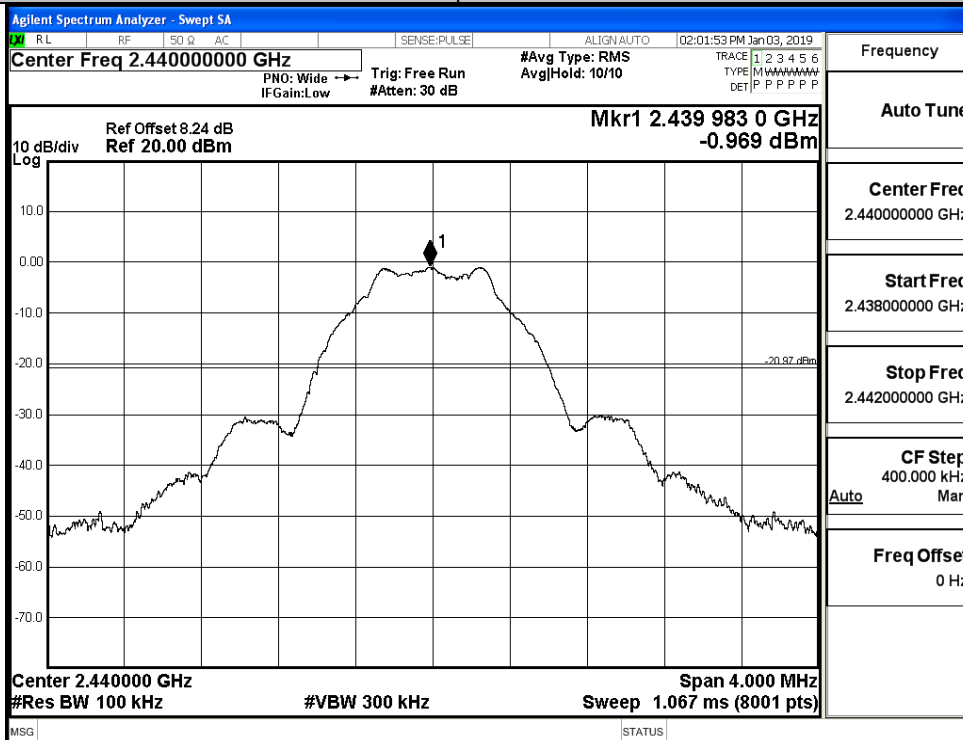


Puw/BT LE/LCH

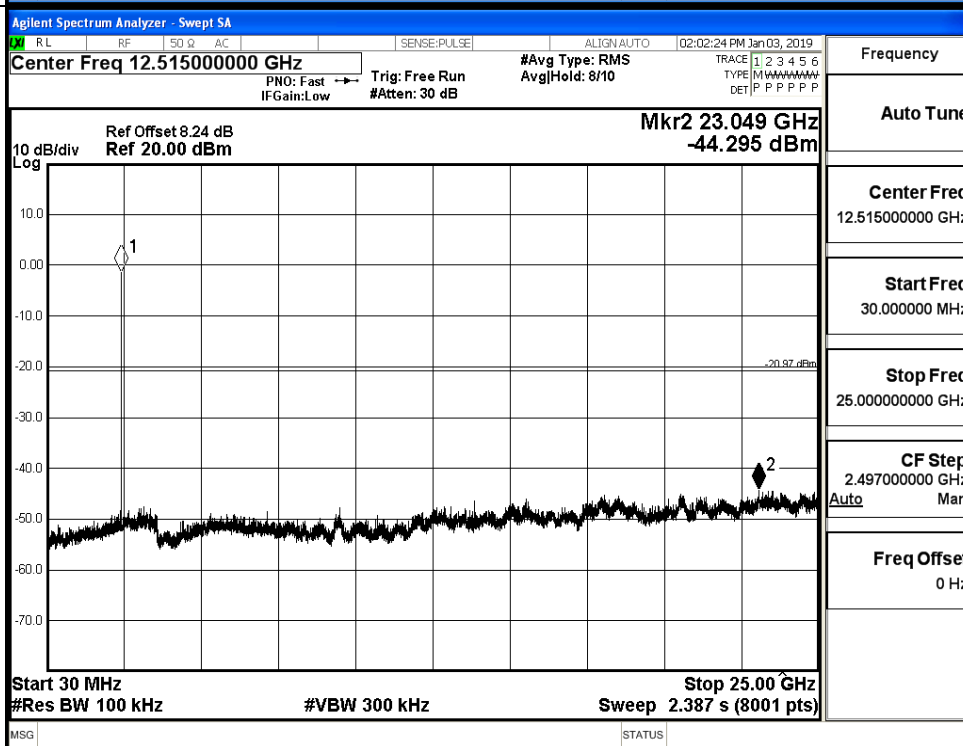


## BT LE\_MCH\_Graphs

Pref/BT LE/MCH

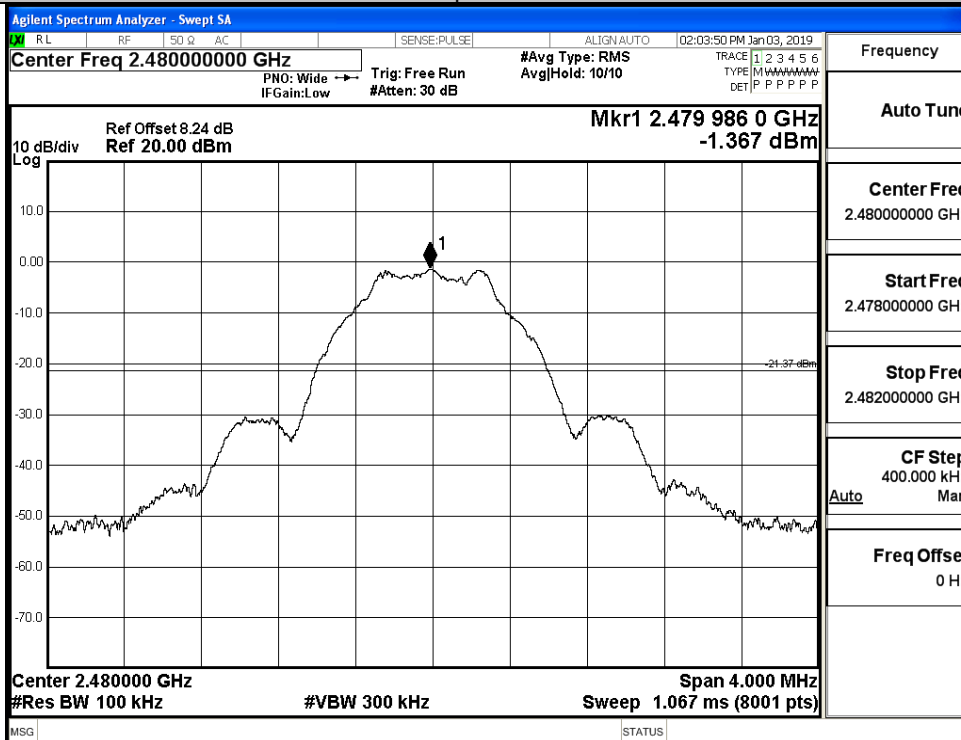


Puw/BT LE/MCH

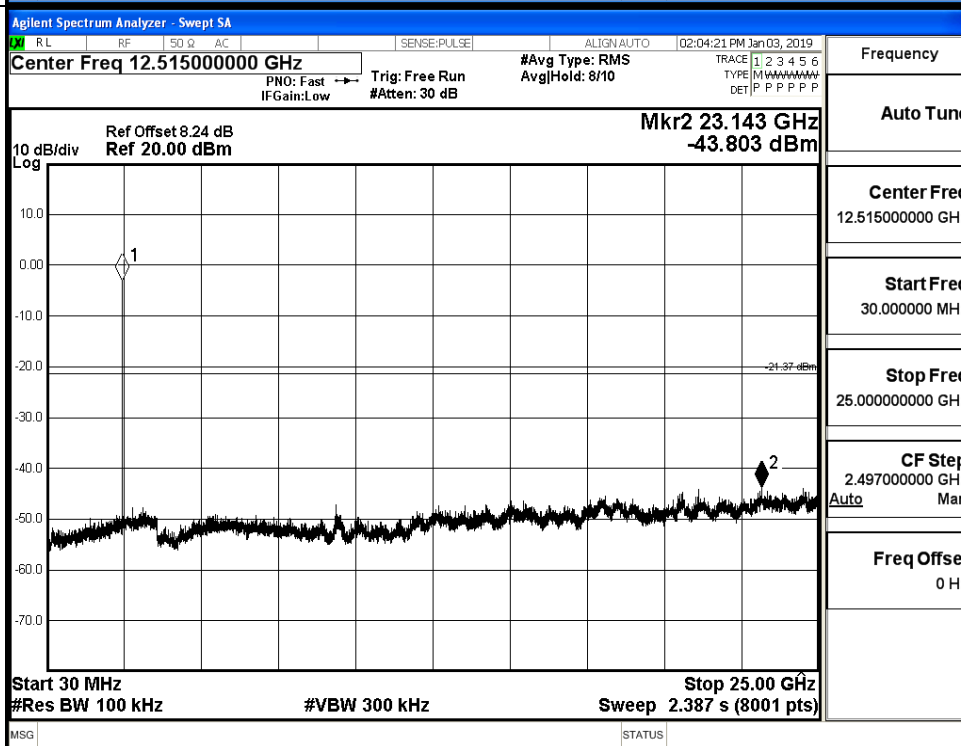


## BT LE\_HCH\_Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

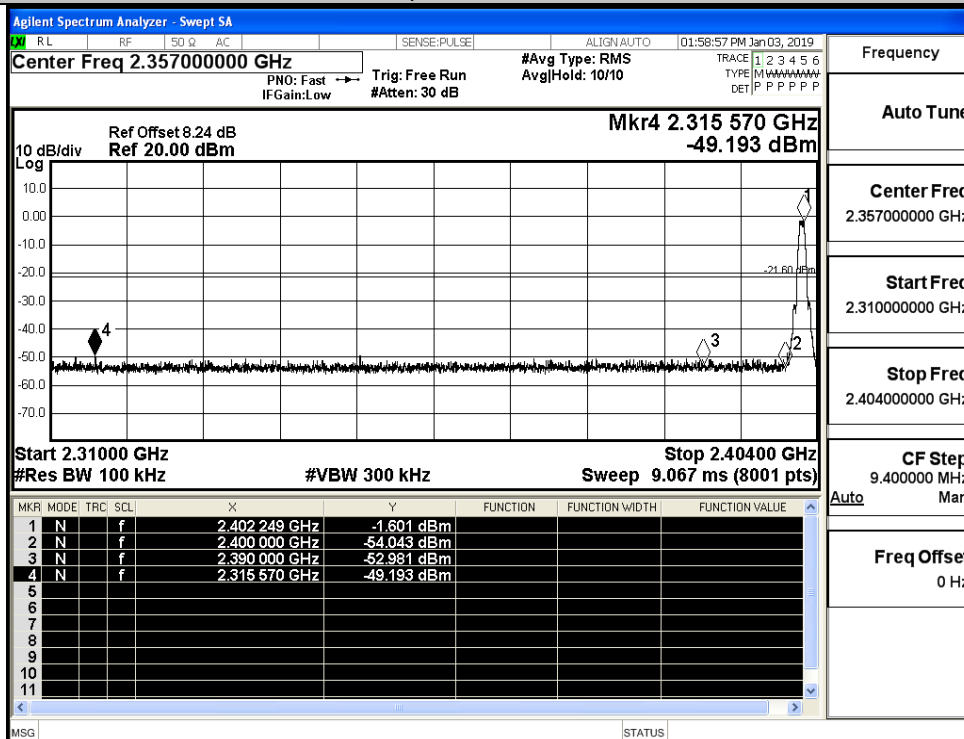


## B.6 Band-edge for RF Conducted Emissions

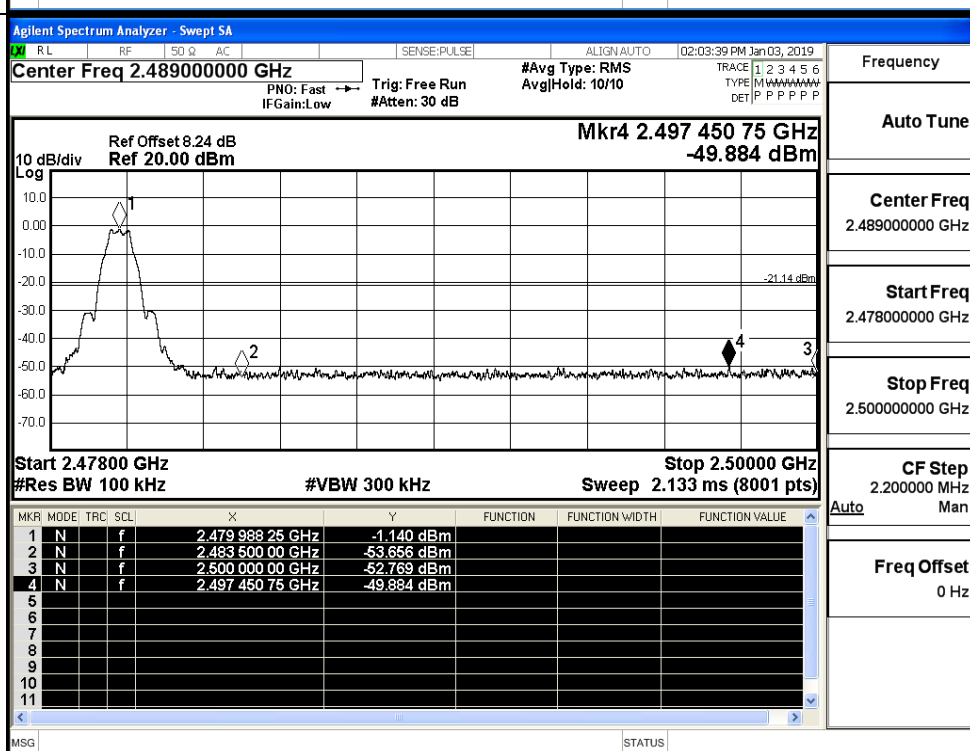
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.601	-49.193	-21.6	PASS
BT LE	HCH	-1.140	-49.884	-21.14	PASS

## Test Graphs

LCH



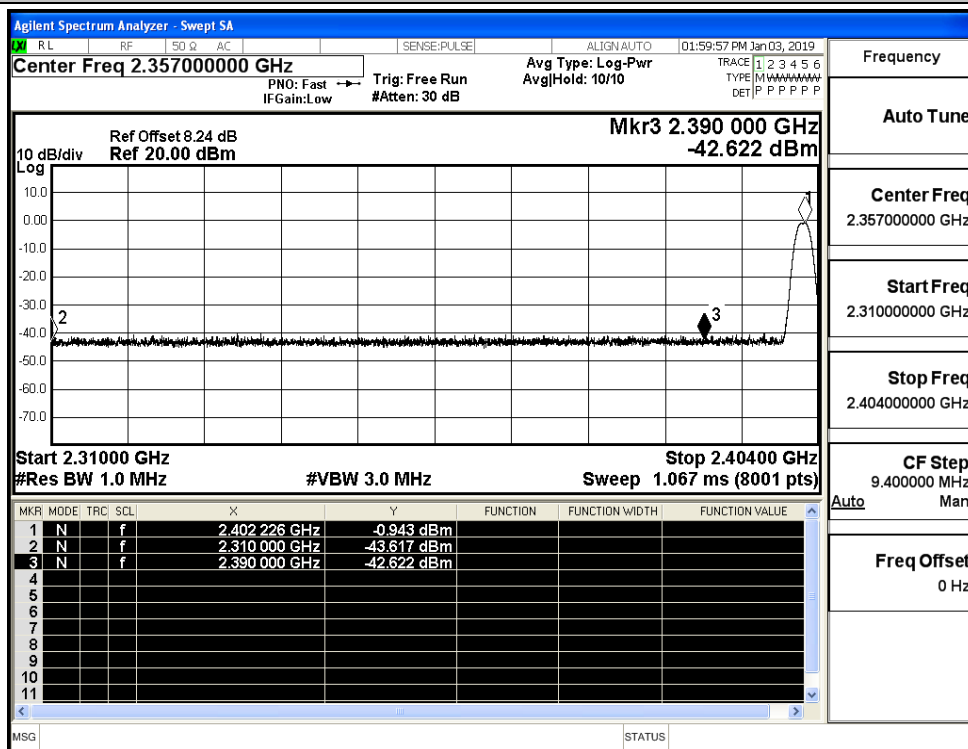
HCH



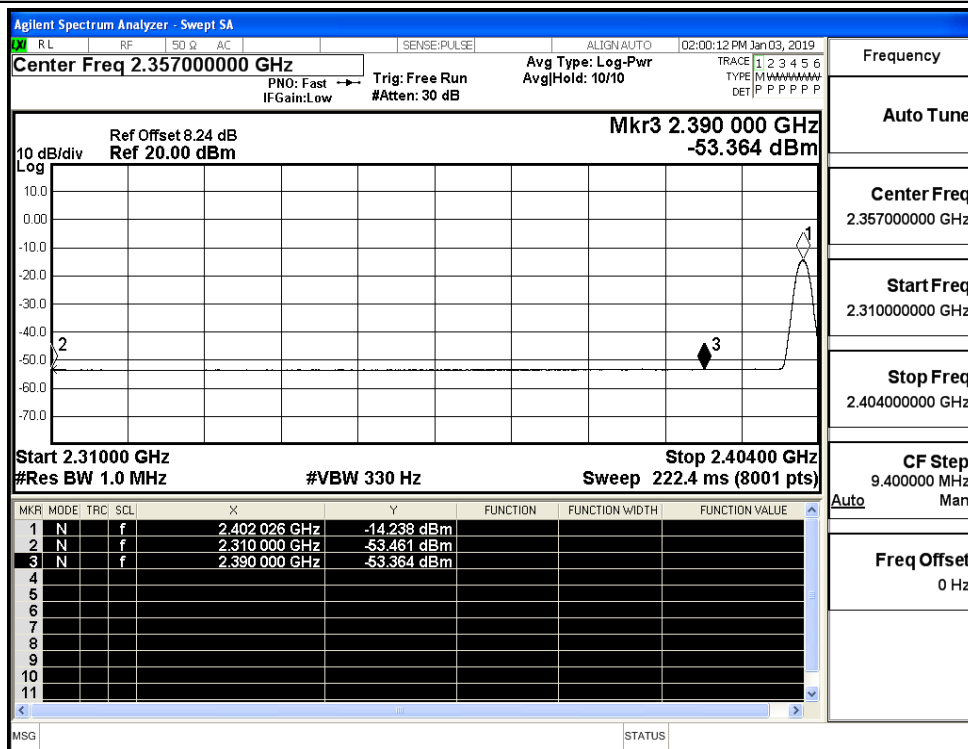
**B.7 Restrict-band band-edge measurements**

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-43.62	2.0	0	51.64	PEAK	74	PASS
		Ant1	2310.0	-53.46	2.0	0	41.80	AV	54	PASS
		Ant1	2390.0	-42.62	2.0	0	52.64	PEAK	74	PASS
		Ant1	2390.0	-53.36	2.0	0	41.89	AV	54	PASS
	2480	Ant1	2483.5	-41.78	2.0	0	53.48	PEAK	74	PASS
		Ant1	2483.5	-53.17	2.0	0	42.09	AV	54	PASS
		Ant1	2500.0	-43.33	2.0	0	51.93	PEAK	74	PASS
		Ant1	2500.0	-52.90	2.0	0	42.36	AV	54	PASS

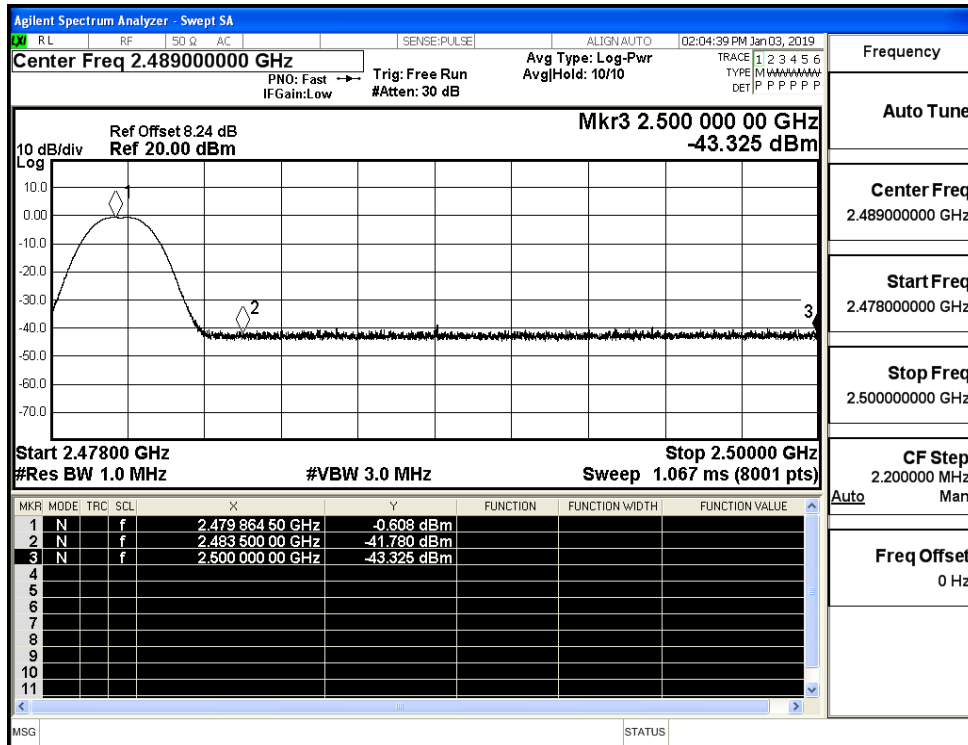
## Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_PEAK



## Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_AV



## Restrict-band band-edge measurements\_BT LE\_2480\_Ant1\_PEAK



## Restrict-band band-edge measurements\_BT LE\_2480\_Ant1\_AV

