Appendix B

RF Test Data for BT V5.0(Conducted Measurement)

Product Name: Tablet PC
Trade Mark: N/A
Test Model: EDT800

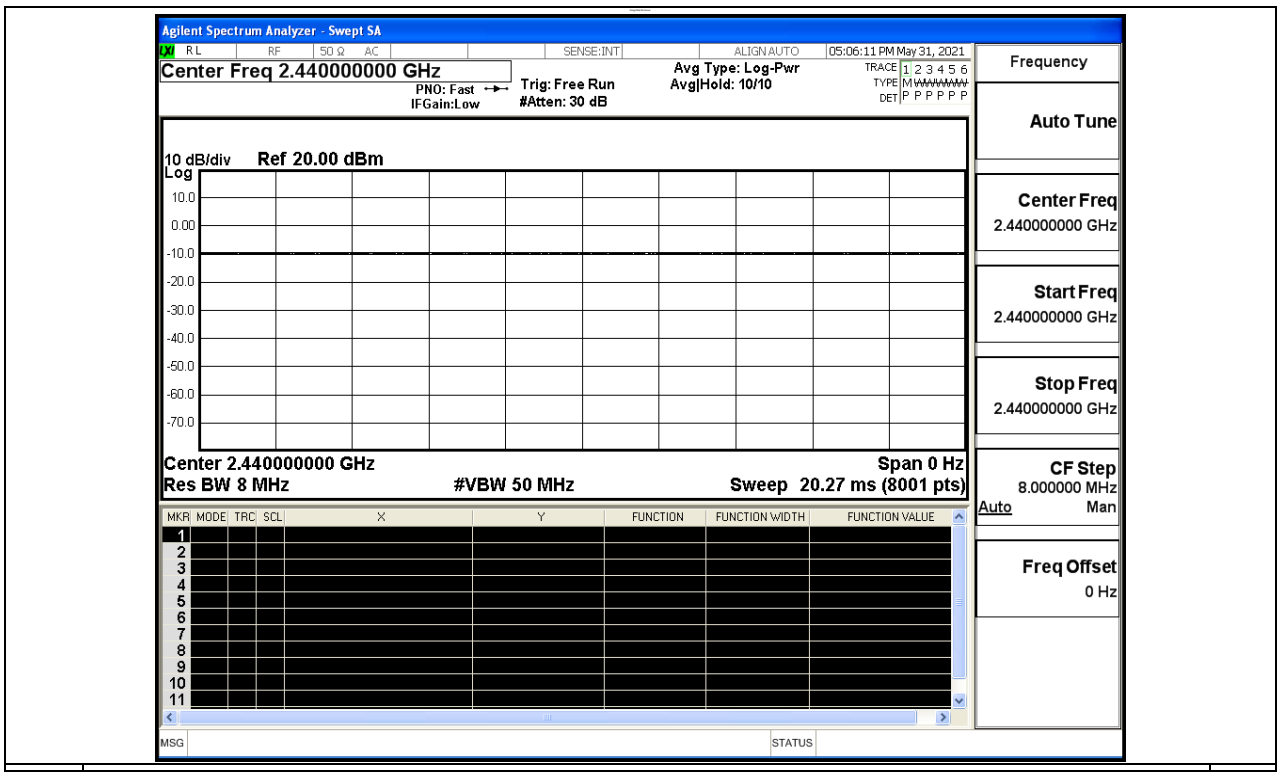
Environmental Conditions

Temperature:	23.7° C
Relative Humidity:	51.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan

B.1 Duty Cycle

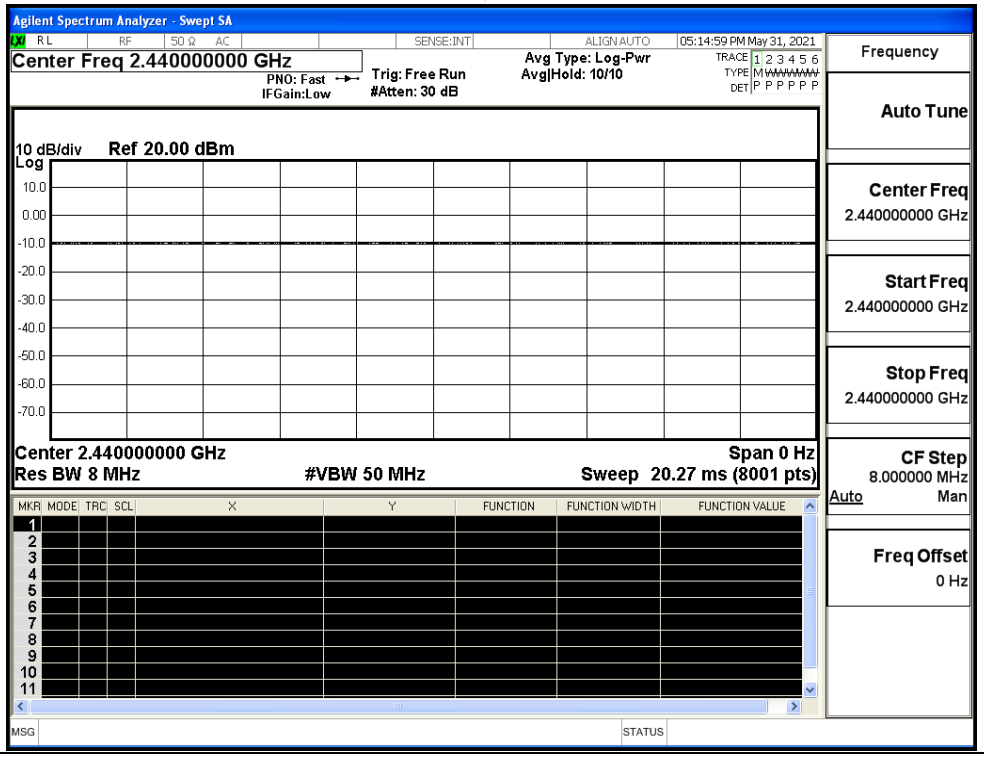
BT LE

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



BT 2LE

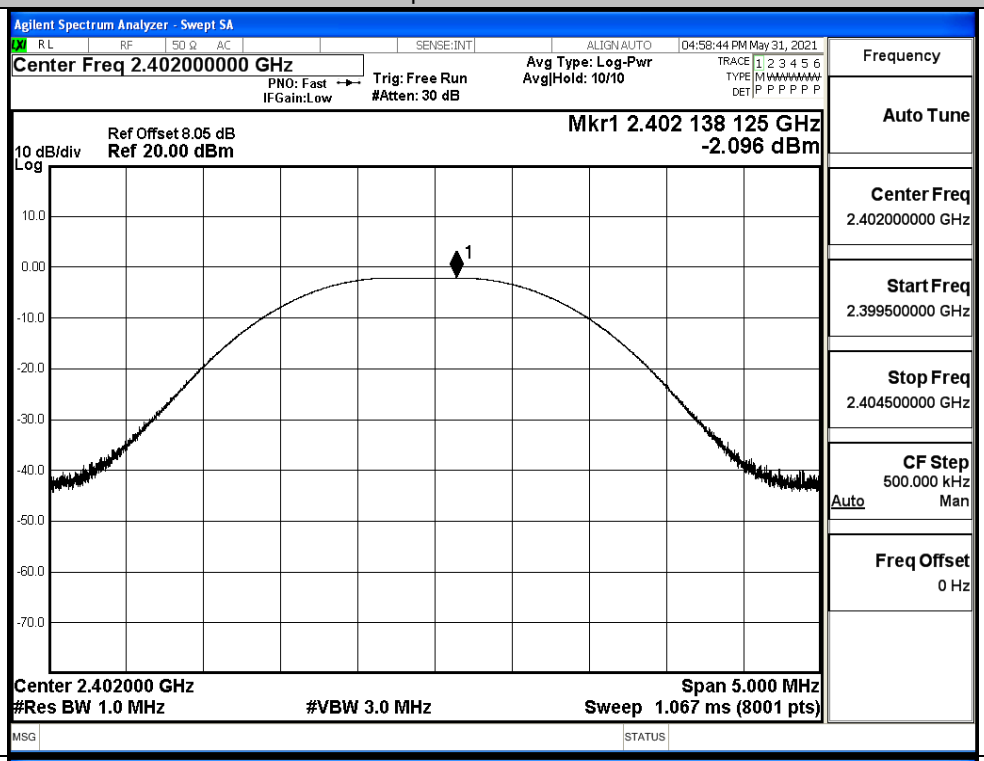
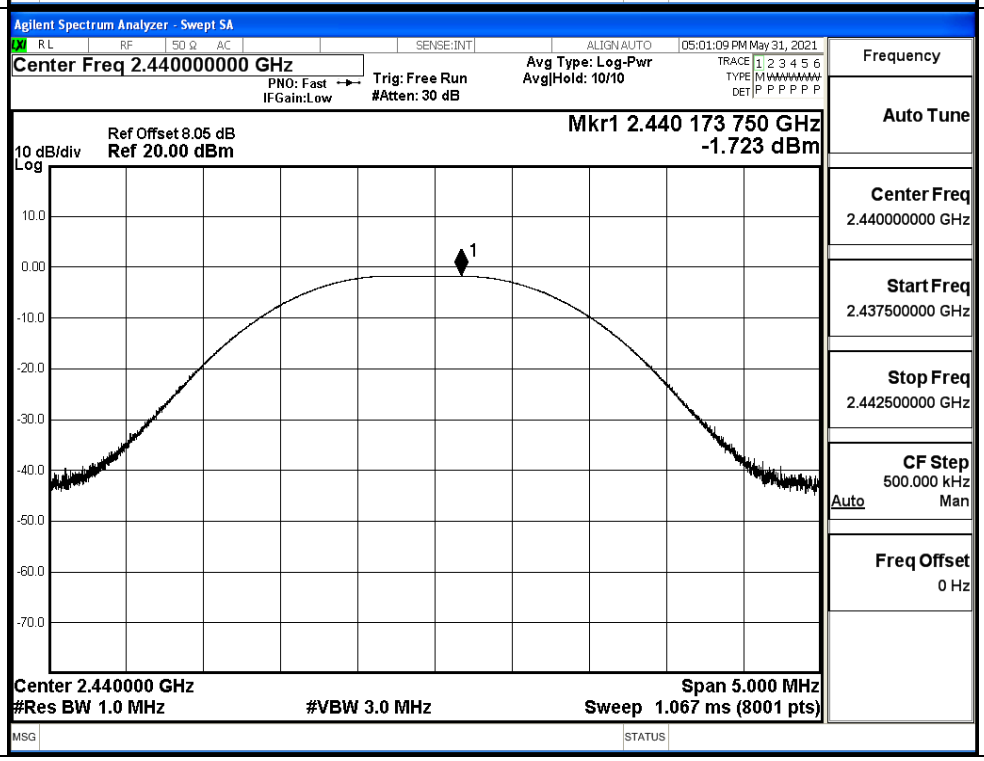
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT 2LE	2440	Ant1	100	PASS

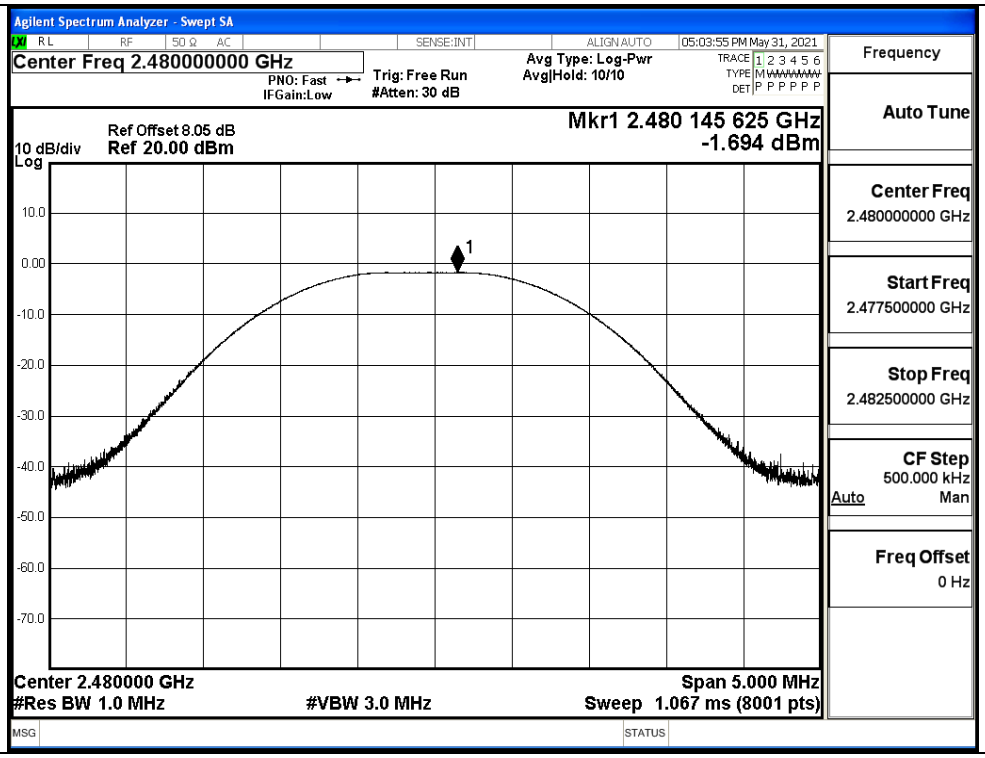


B.2 Maximum Conducted Peak Output Power

BT LE

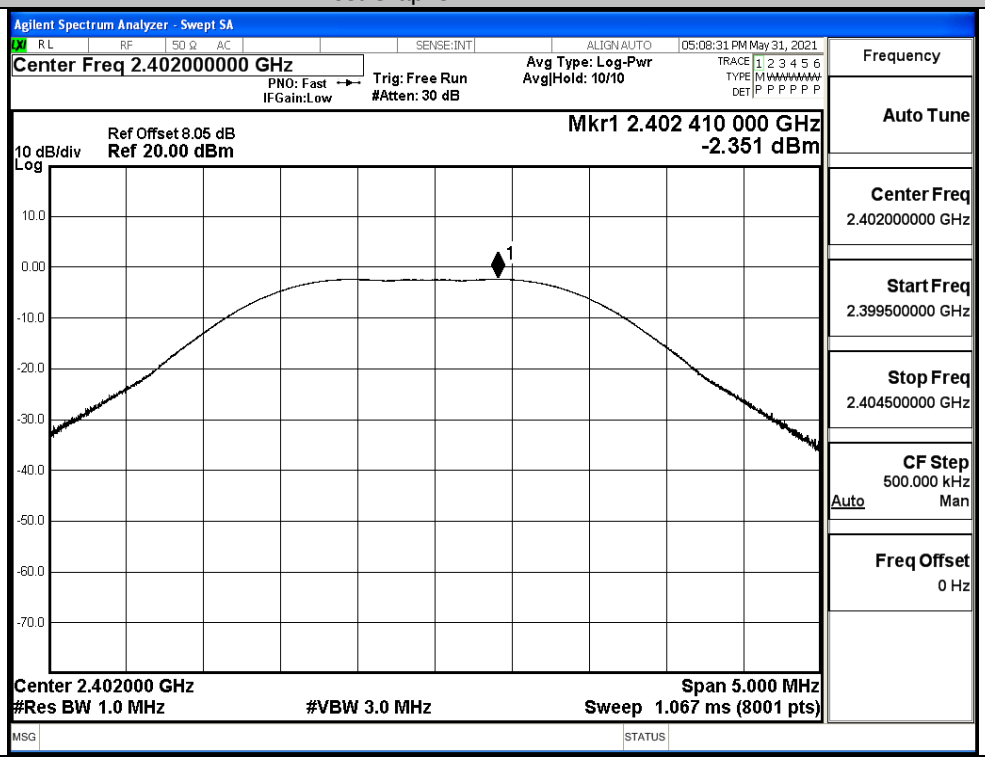
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.096	30	PASS
BT LE	MCH	-1.723	30	PASS
BT LE	HCH	-1.694	30	PASS

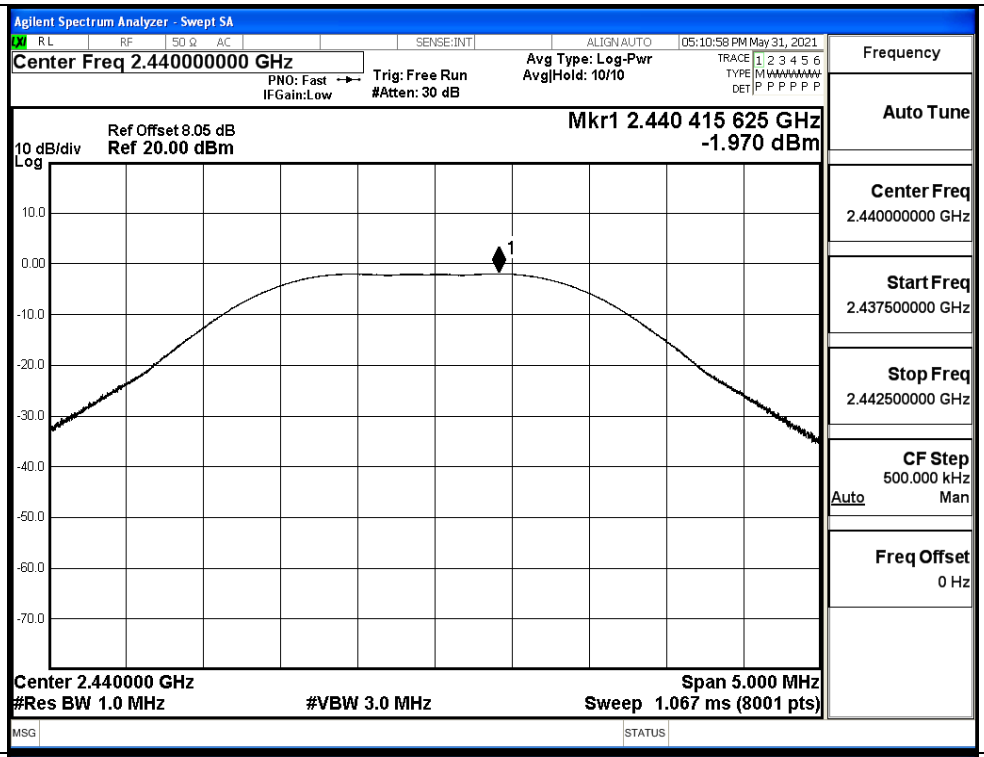
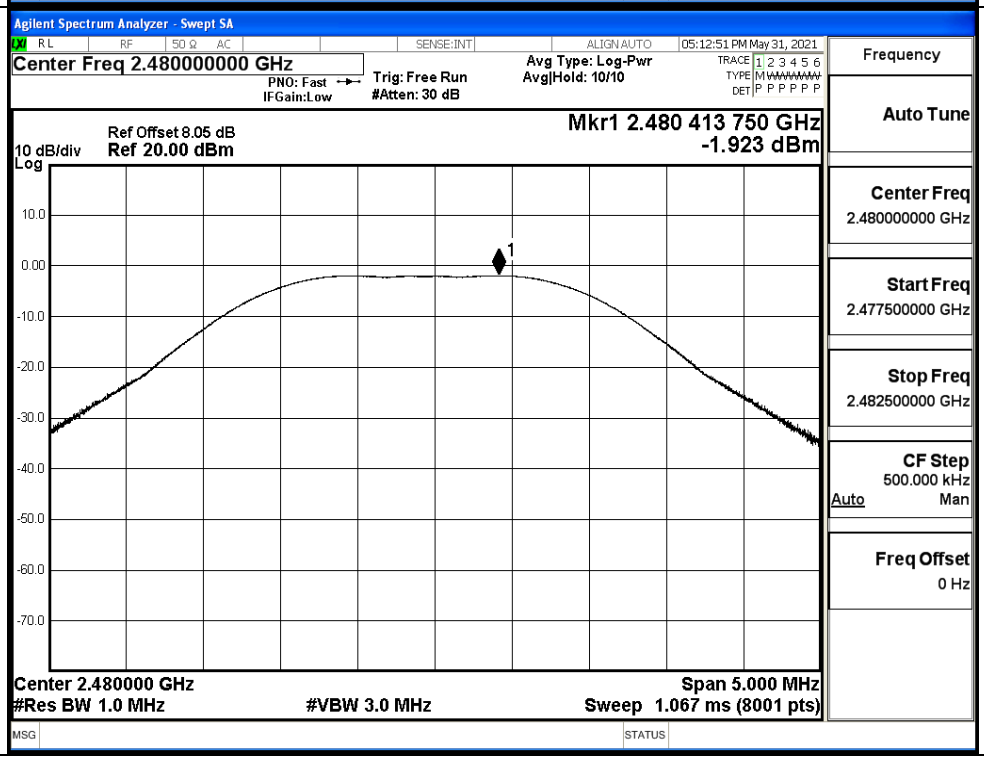
Test Graphs		
LCH		
MCH		

HCH	

BT 2LE

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-2.351	30	PASS
BT 2LE	MCH	-1.97	30	PASS
BT 2LE	HCH	-1.923	30	PASS

Test Graphs	
LCH	

MCH		
HCH		

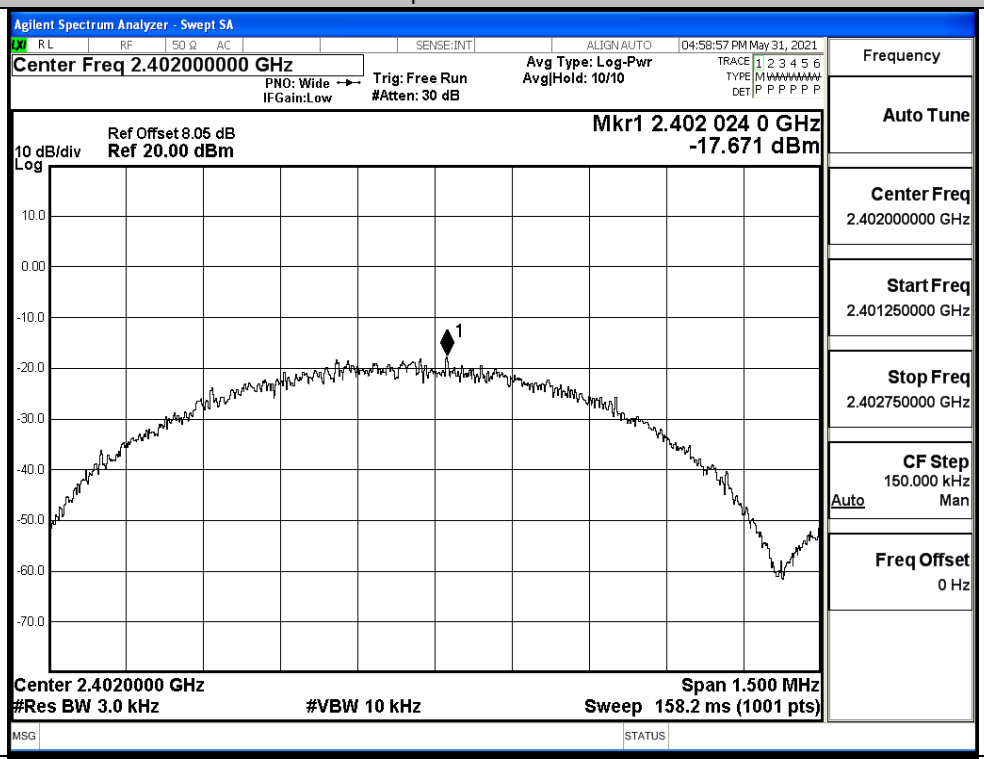
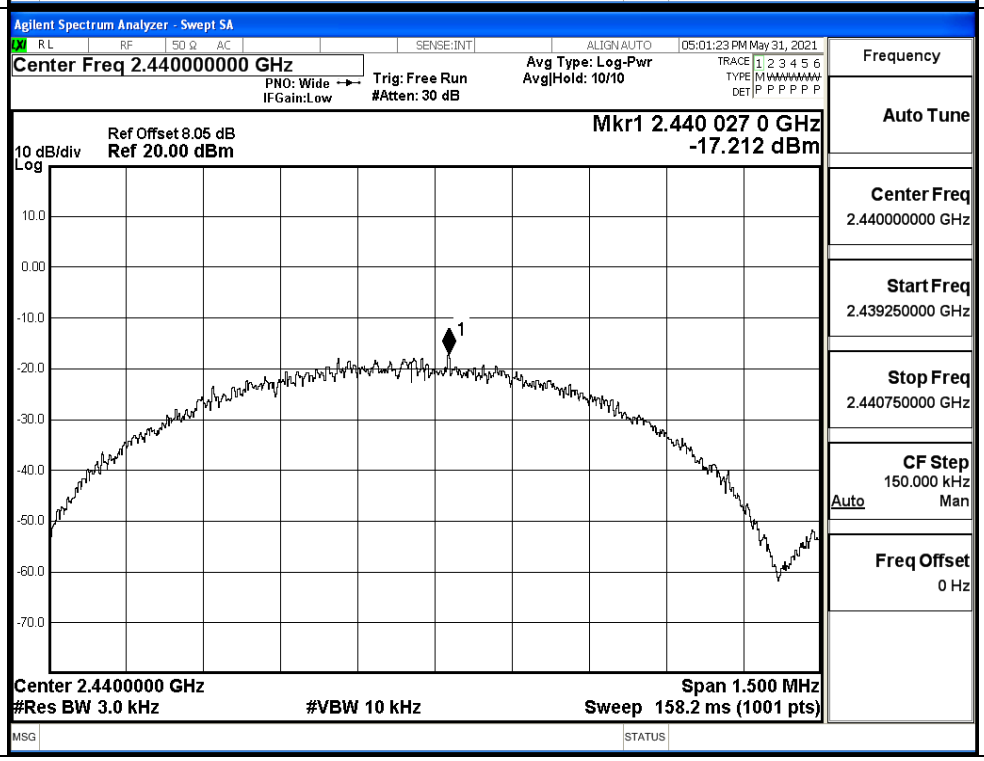
Agilent Spectrum Analyzer - Swept SA
Center Freq 2.440000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
05:10:58 PM May 31, 2021
Ref Offset 8.05 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 2.440 415 625 GHz
-1.970 dBm
Center 2.440000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 5.000 MHz
Sweep 1.067 ms (8001 pts)
Frequency
Auto Tune
Center Freq
2.440000000 GHz
Start Freq
2.437500000 GHz
Stop Freq
2.442500000 GHz
CF Step
500.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

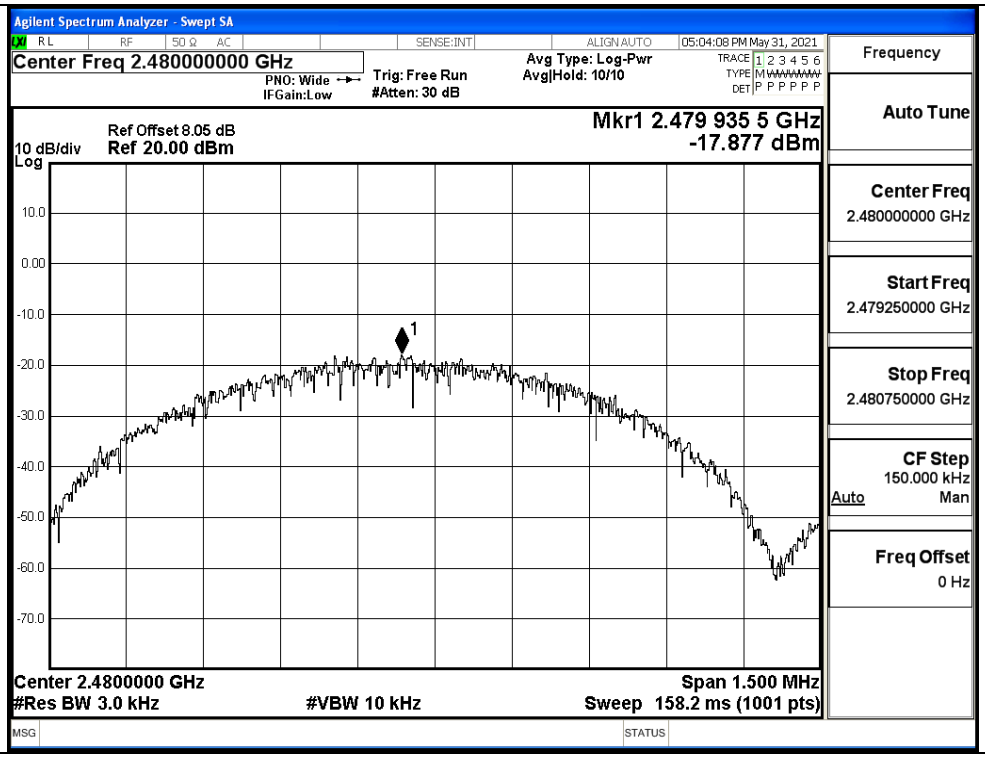
Agilent Spectrum Analyzer - Swept SA
Center Freq 2.480000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
05:12:51 PM May 31, 2021
Ref Offset 8.05 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 2.480 413 750 GHz
-1.923 dBm
Center 2.480000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 5.000 MHz
Sweep 1.067 ms (8001 pts)
Frequency
Auto Tune
Center Freq
2.480000000 GHz
Start Freq
2.477500000 GHz
Stop Freq
2.482500000 GHz
CF Step
500.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

B.3 Maximum Power Spectral Density

BT LE

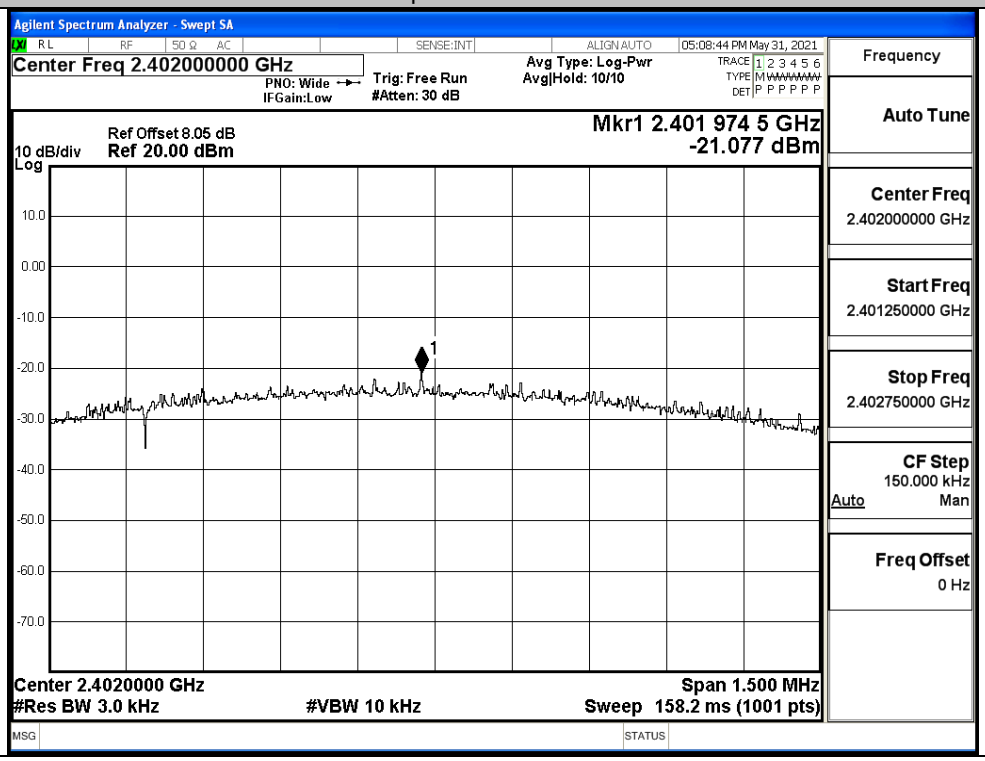
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.671	8	PASS
BT LE	MCH	-17.212	8	PASS
BT LE	HCH	-17.877	8	PASS

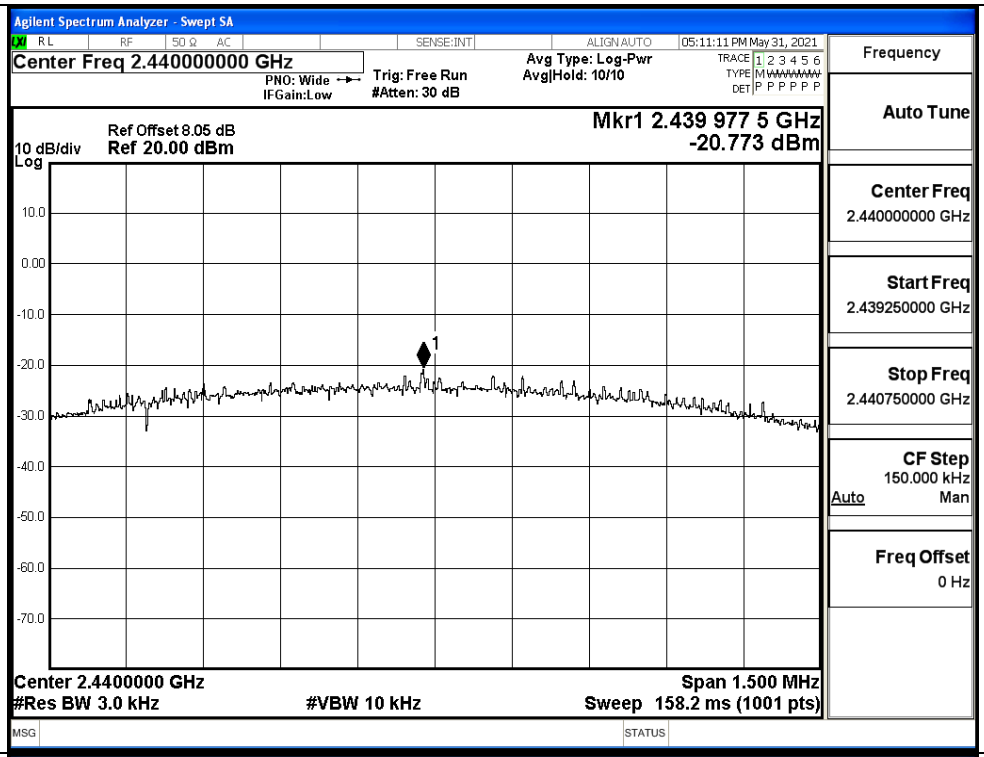
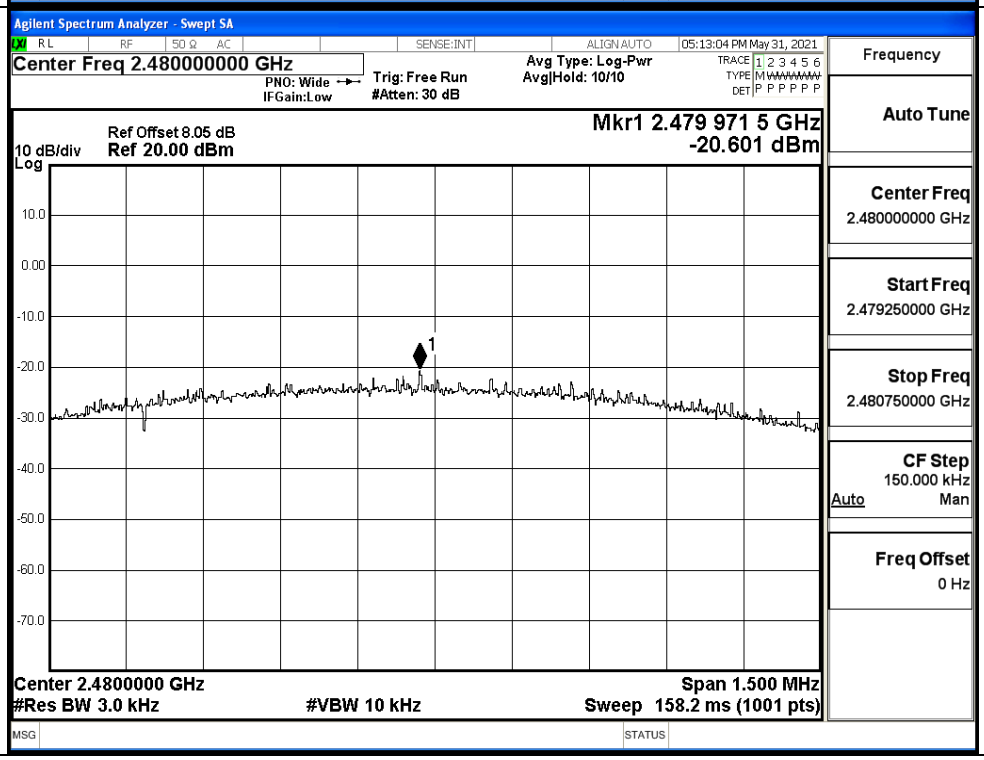
Test Graphs		
LCH		
MCH		

HCH	

BT 2LE

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT 2LE	LCH	-21.077	8	PASS
BT 2LE	MCH	-20.773	8	PASS
BT 2LE	HCH	-20.601	8	PASS

Test Graphs	
LCH	

MCH		 Agilent Spectrum Analyzer - Swept SA Center Freq 2.440000000 GHz PNO: Wide IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Avg|Hold: 10/10 05:11:11 PM May 31, 2021 Ref Offset 8.05 dB 10 dB/div Ref 20.00 dBm Log Mkr1 2.439 977 5 GHz -20.773 dBm Center 2.4400000 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 1.500 MHz Sweep 158.2 ms (1001 pts) Frequency Auto Tune Center Freq 2.440000000 GHz Start Freq 2.439250000 GHz Stop Freq 2.440750000 GHz CF Step 150.000 kHz Auto Man Freq Offset 0 Hz
HCH		 Agilent Spectrum Analyzer - Swept SA Center Freq 2.480000000 GHz PNO: Wide IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Avg|Hold: 10/10 05:13:04 PM May 31, 2021 Ref Offset 8.05 dB 10 dB/div Ref 20.00 dBm Log Mkr1 2.479 971 5 GHz -20.601 dBm Center 2.4800000 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 1.500 MHz Sweep 158.2 ms (1001 pts) Frequency Auto Tune Center Freq 2.480000000 GHz Start Freq 2.479250000 GHz Stop Freq 2.480750000 GHz CF Step 150.000 kHz Auto Man Freq Offset 0 Hz

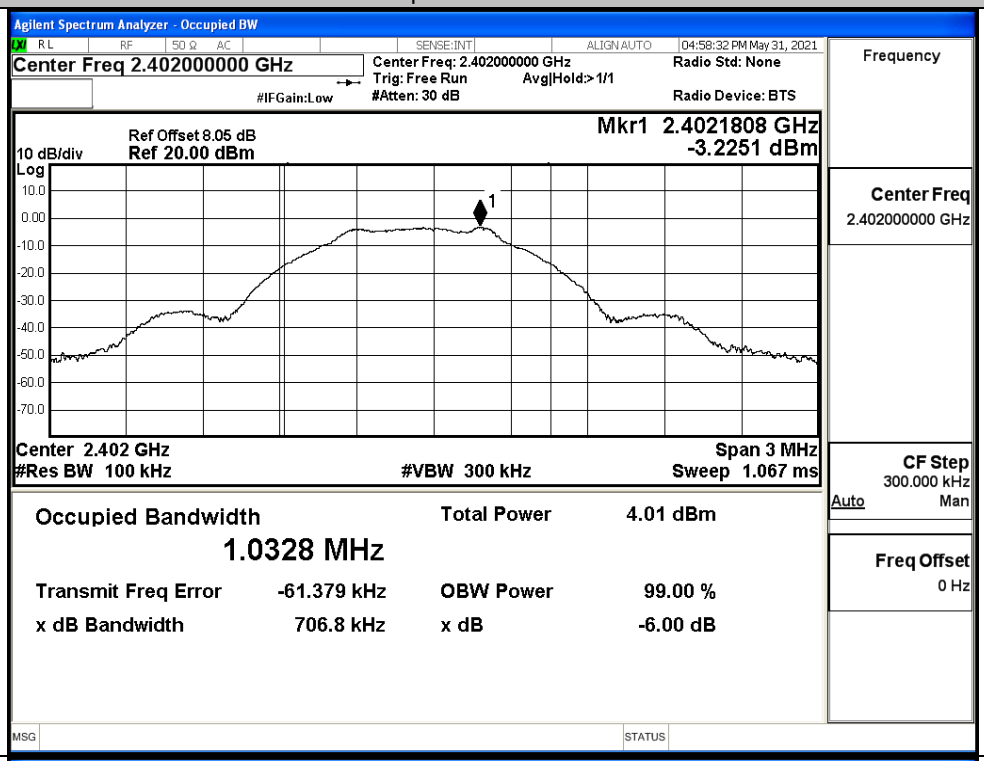
B.4 6dB Bandwidth

BT LE

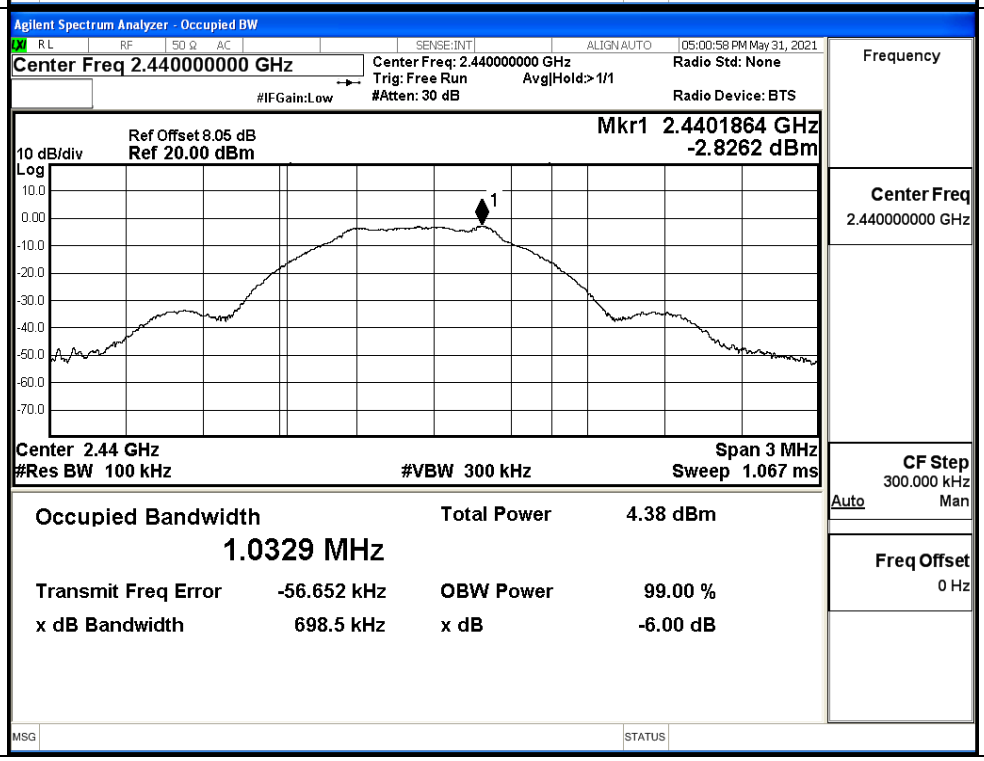
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7068	⩾0.5	PASS
BT LE	MCH	0.6985	⩾0.5	PASS
BT LE	HCH	0.7028	⩾0.5	PASS

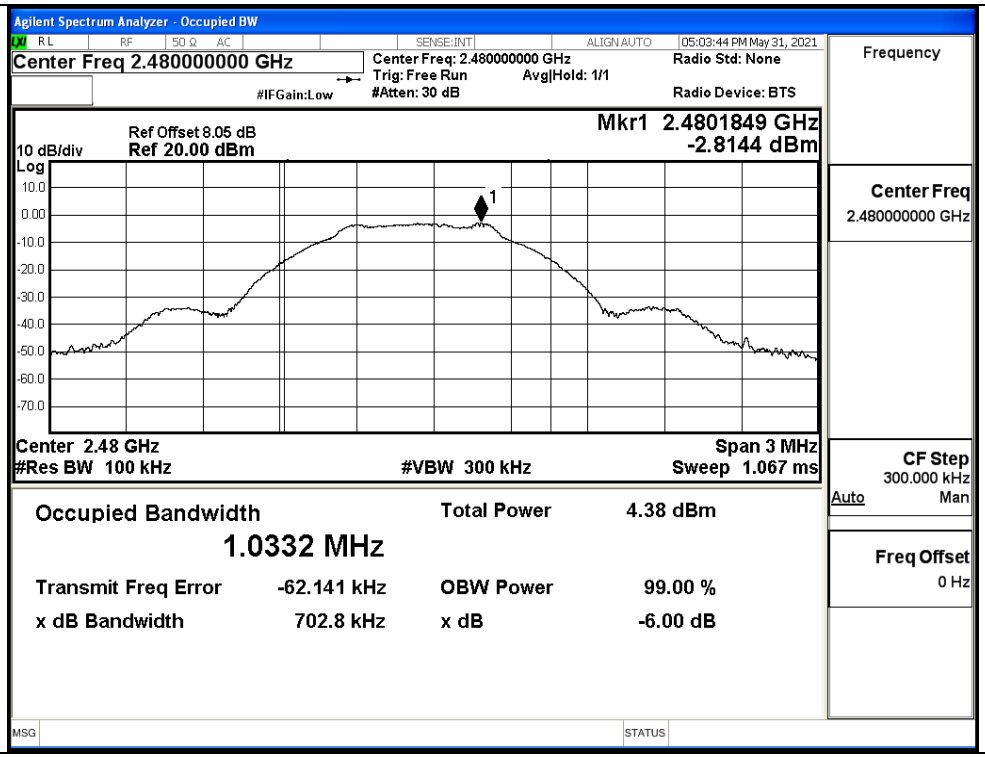
Test Graphs

LCH



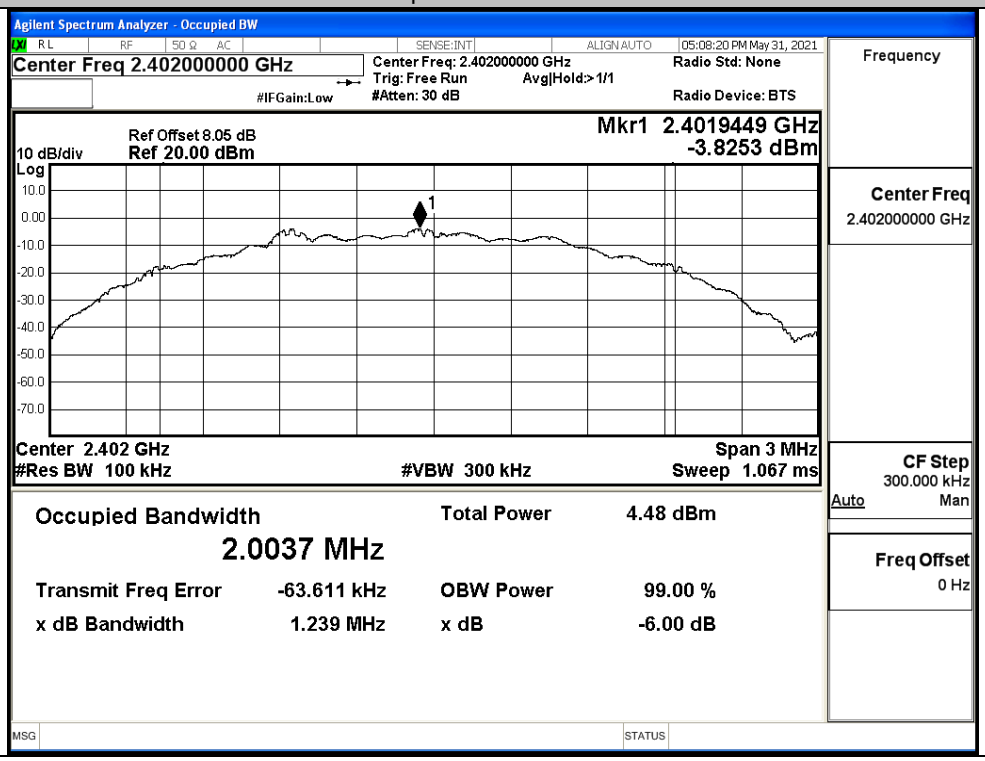
MCH

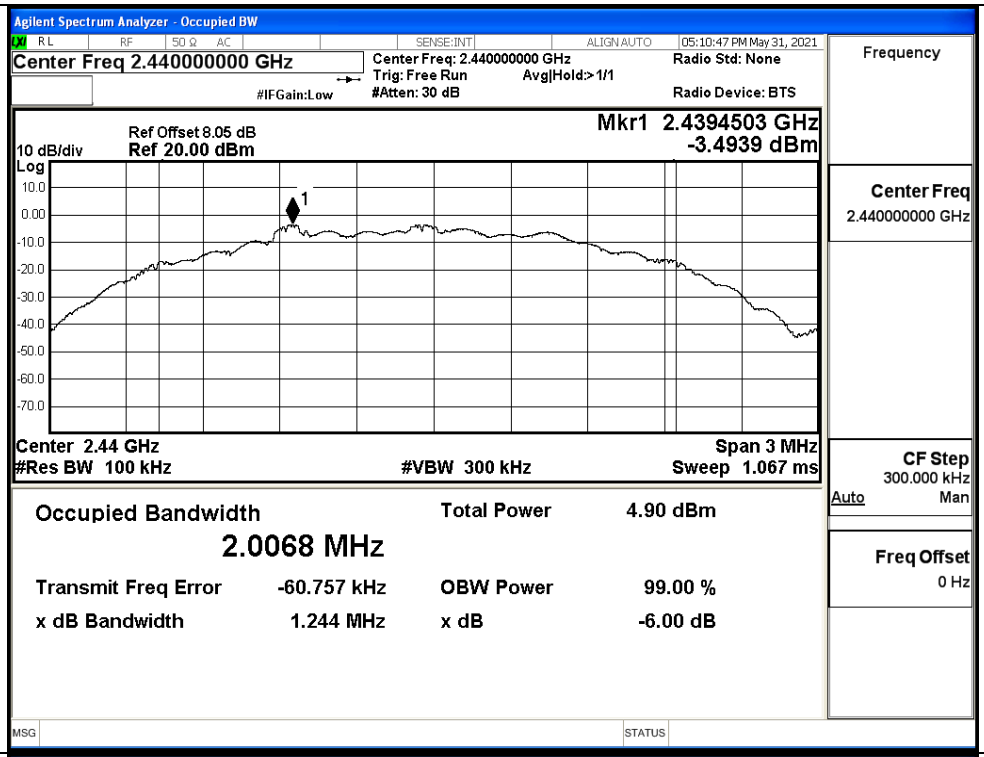
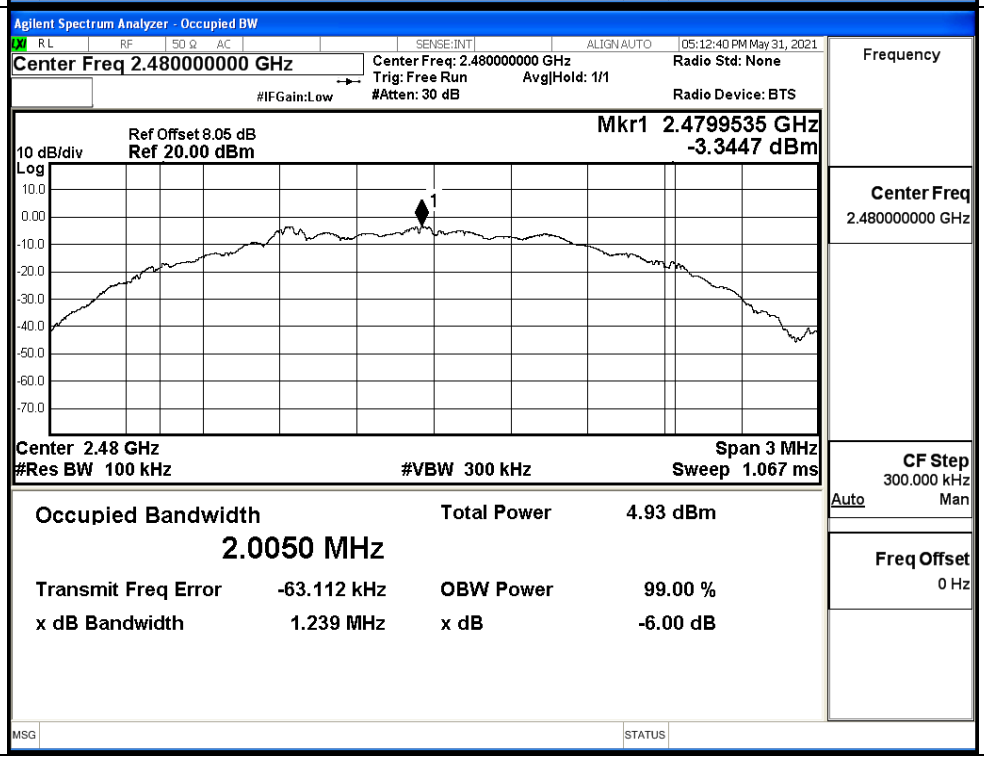


HCH	

BT 2LE

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT 2LE	LCH	1.239	⩾0.5	PASS
BT 2LE	MCH	1.244	⩾0.5	PASS
BT 2LE	HCH	1.239	⩾0.5	PASS

Test Graphs	
LCH	

MCH		
HCH		

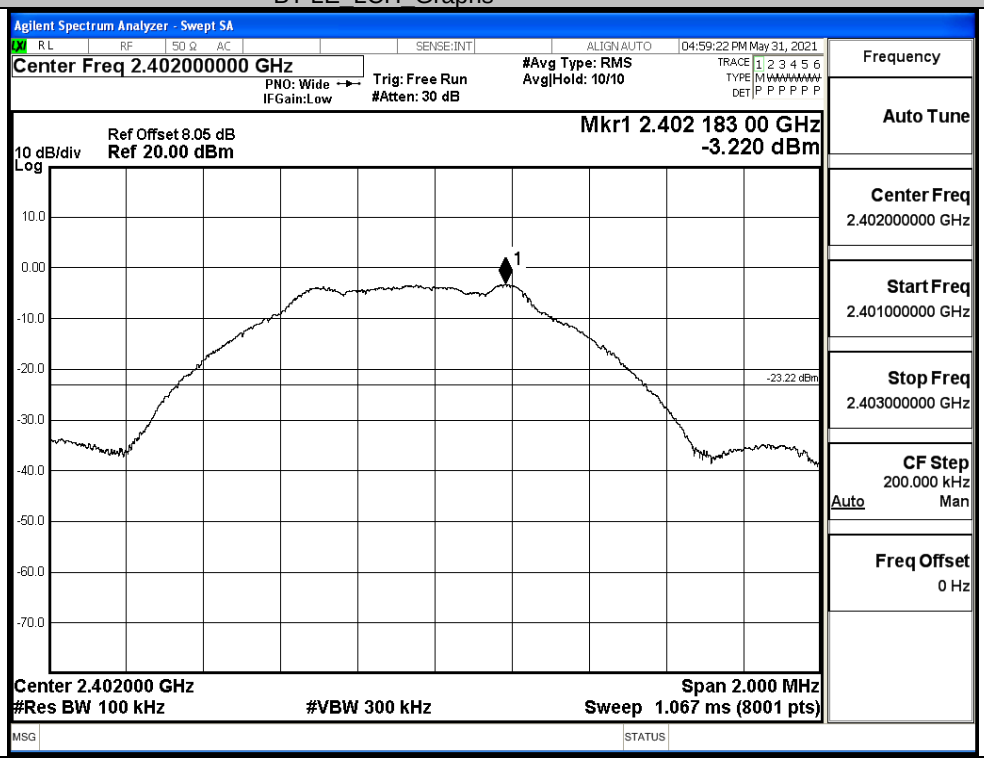
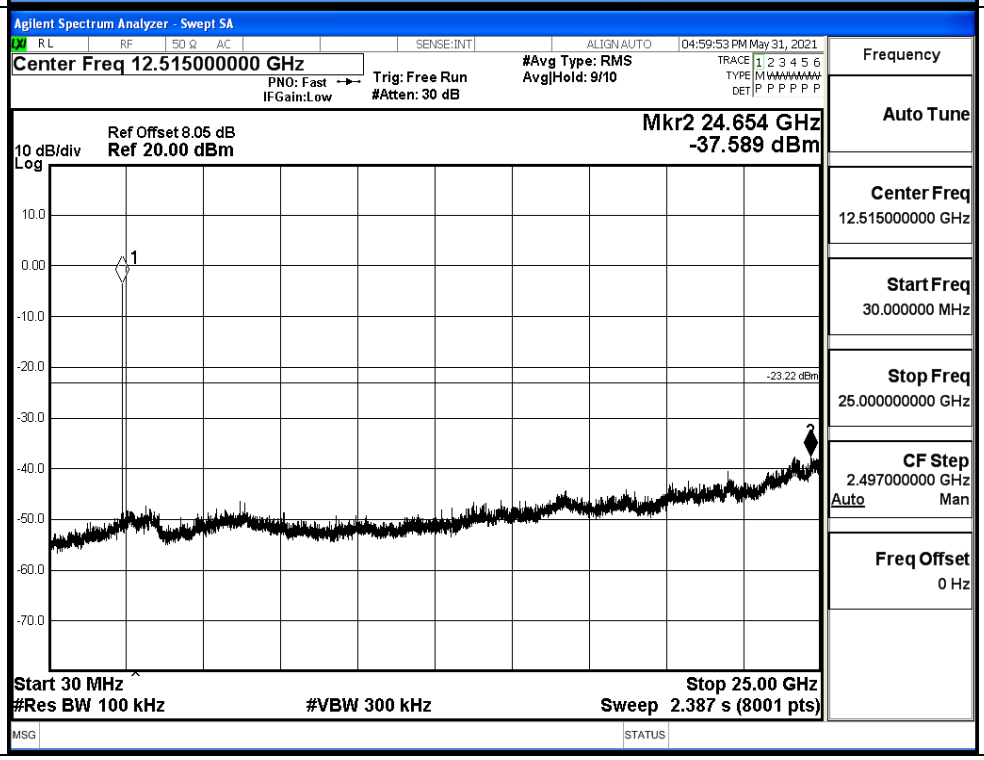
Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.440000000 GHz
Center Freq: 2.440000000 GHz
Trig: Free Run
Avg|Hold:>1/1
#Atten: 30 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
05:10:47 PM May 31, 2021
Ref Offset 8.05 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.4394503 GHz
-3.4939 dBm
Center 2.44 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 3 MHz
Sweep 1.067 ms
Occupied Bandwidth
2.0068 MHz
Total Power 4.90 dBm
Transmit Freq Error -60.757 kHz
OBW Power 99.00 %
x dB Bandwidth 1.244 MHz
x dB -6.00 dB
Frequency
Center Freq
2.440000000 GHz
CF Step
300.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

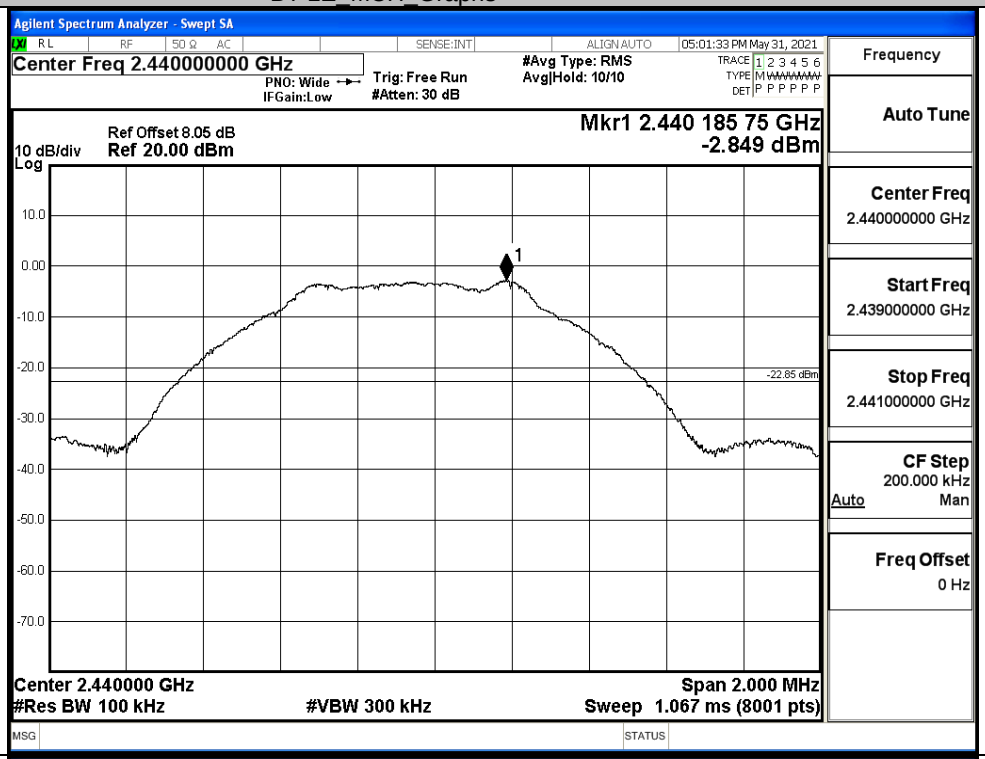
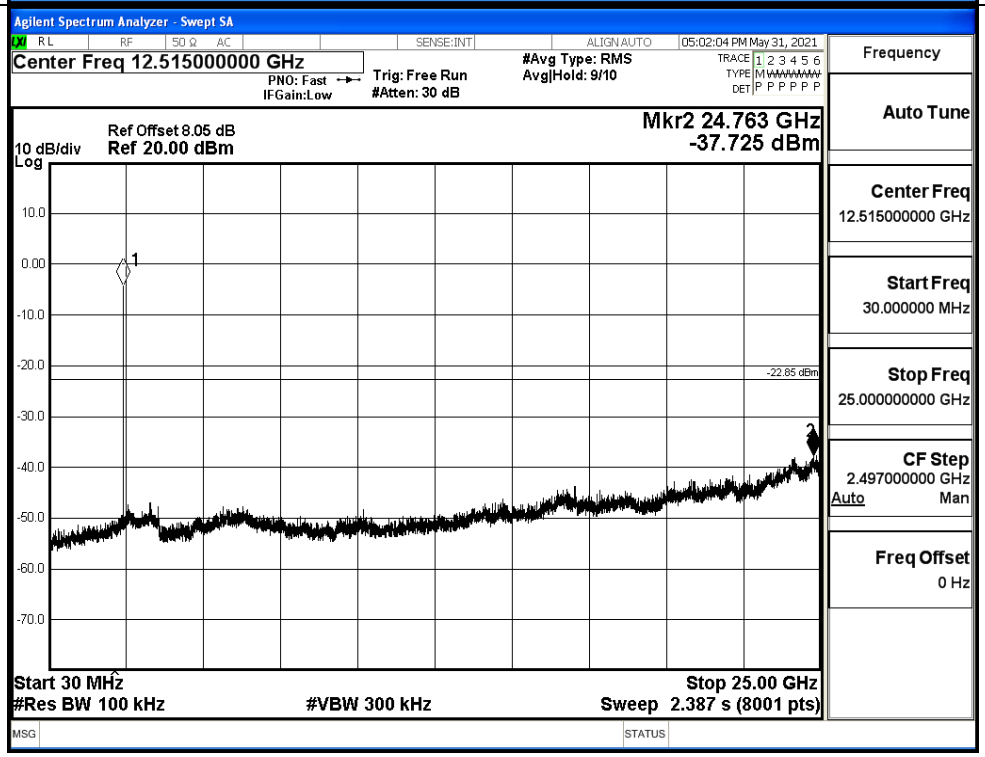
Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.480000000 GHz
Center Freq: 2.480000000 GHz
Trig: Free Run
Avg|Hold: 1/1
#Atten: 30 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
05:12:40 PM May 31, 2021
Ref Offset 8.05 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.4799535 GHz
-3.3447 dBm
Center 2.48 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 3 MHz
Sweep 1.067 ms
Occupied Bandwidth
2.0050 MHz
Total Power 4.93 dBm
Transmit Freq Error -63.112 kHz
OBW Power 99.00 %
x dB Bandwidth 1.239 MHz
x dB -6.00 dB
Frequency
Center Freq
2.480000000 GHz
CF Step
300.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

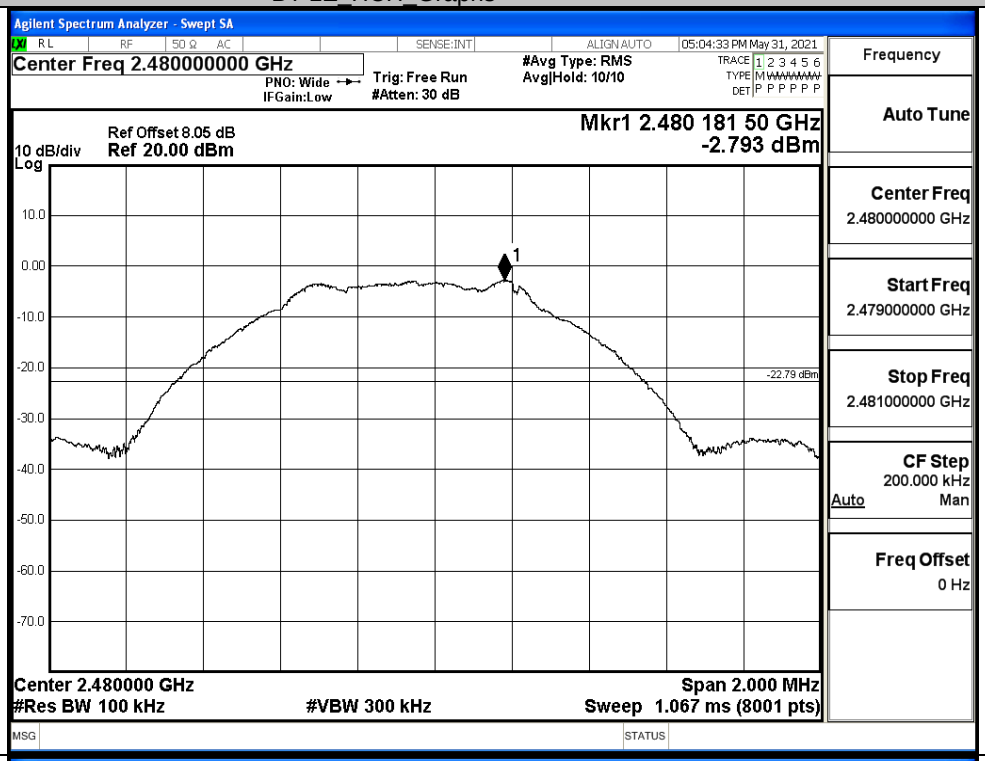
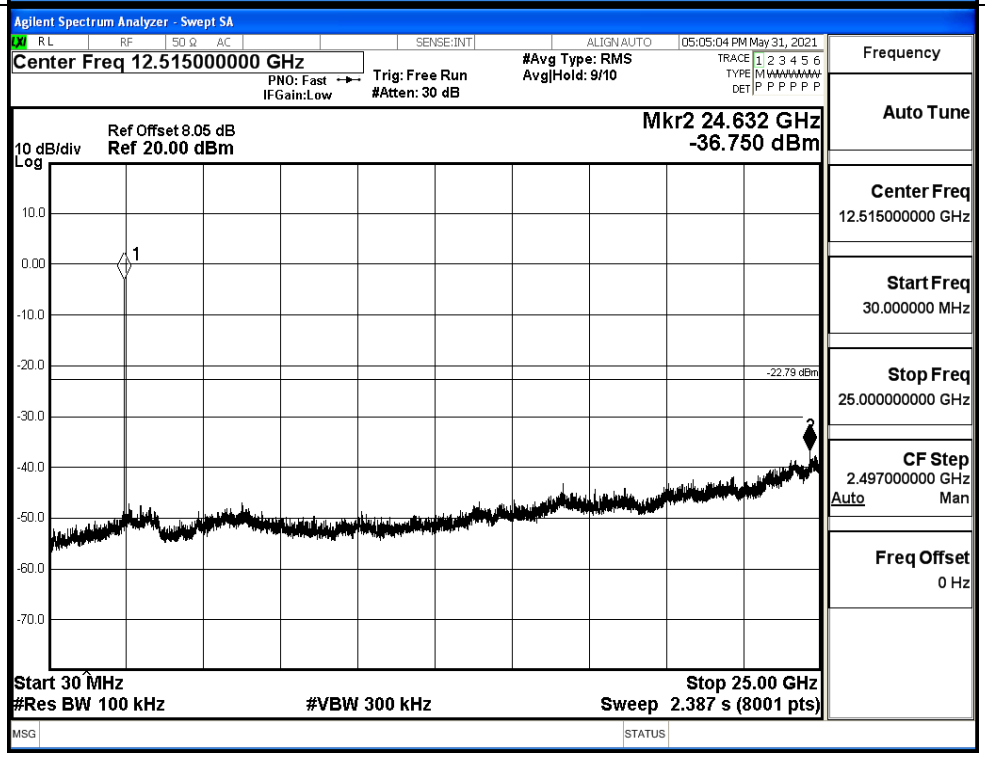
B.5 RF Conducted Spurious Emissions

BT LE

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.22	-37.589	-23.220	PASS
BT LE	MCH	-2.849	-37.725	-22.849	PASS
BT LE	HCH	-2.793	-36.750	-22.793	PASS

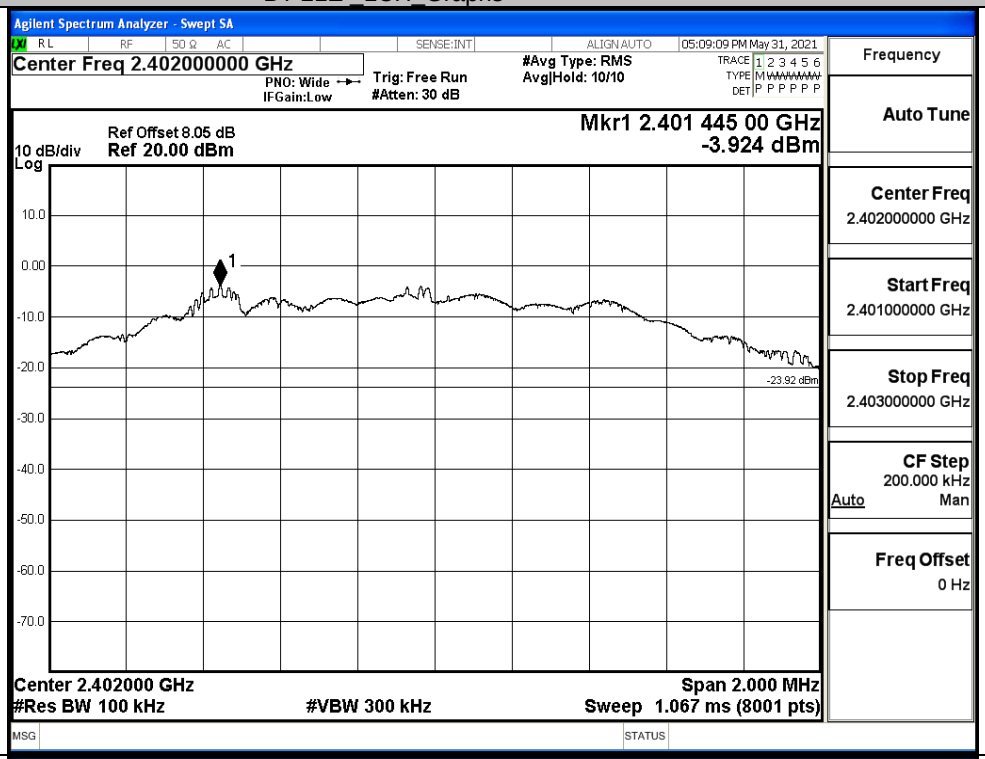
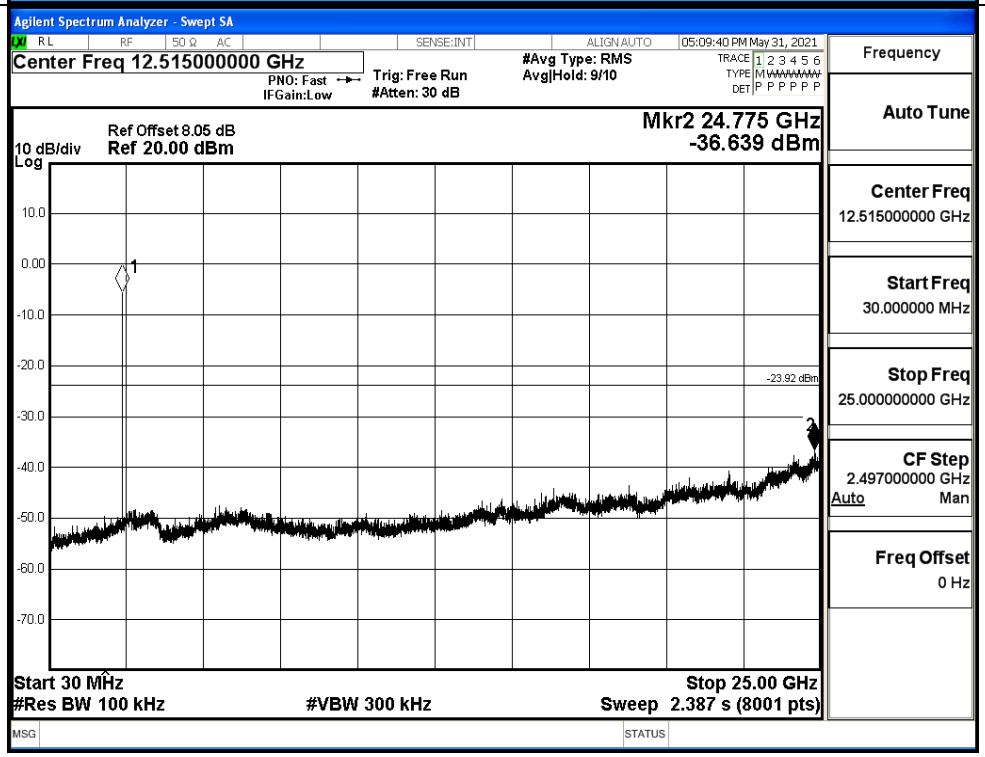
BT LE_LCH_Graphs	
Pref/BT LE/LCH	
Puw/BT LE/LCH	

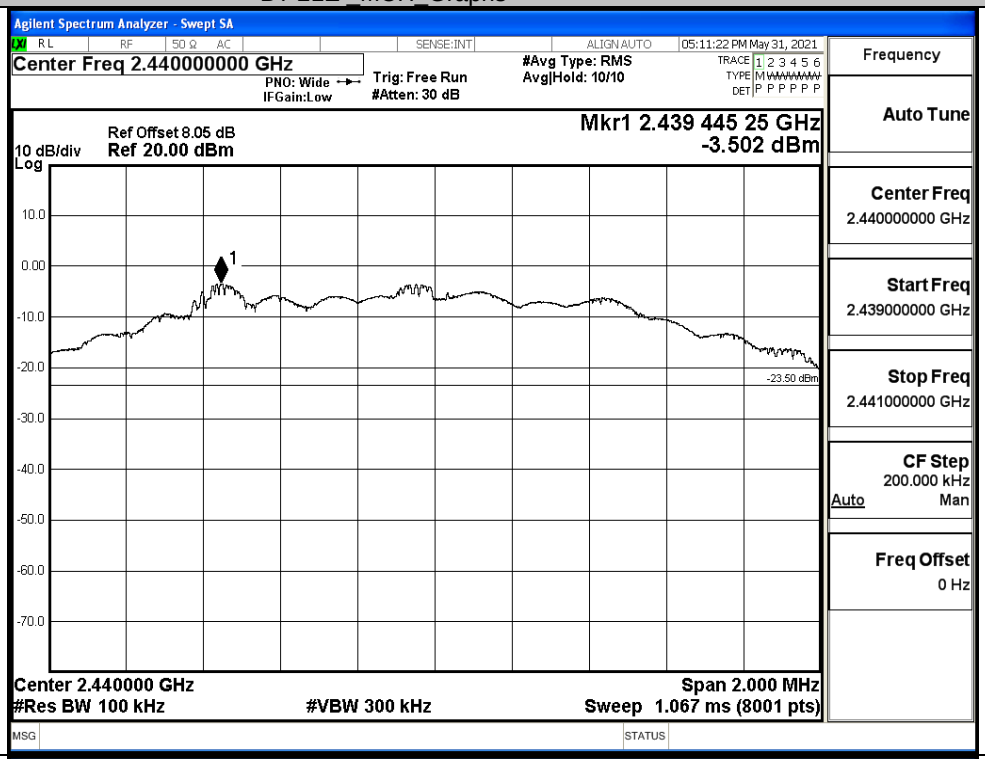
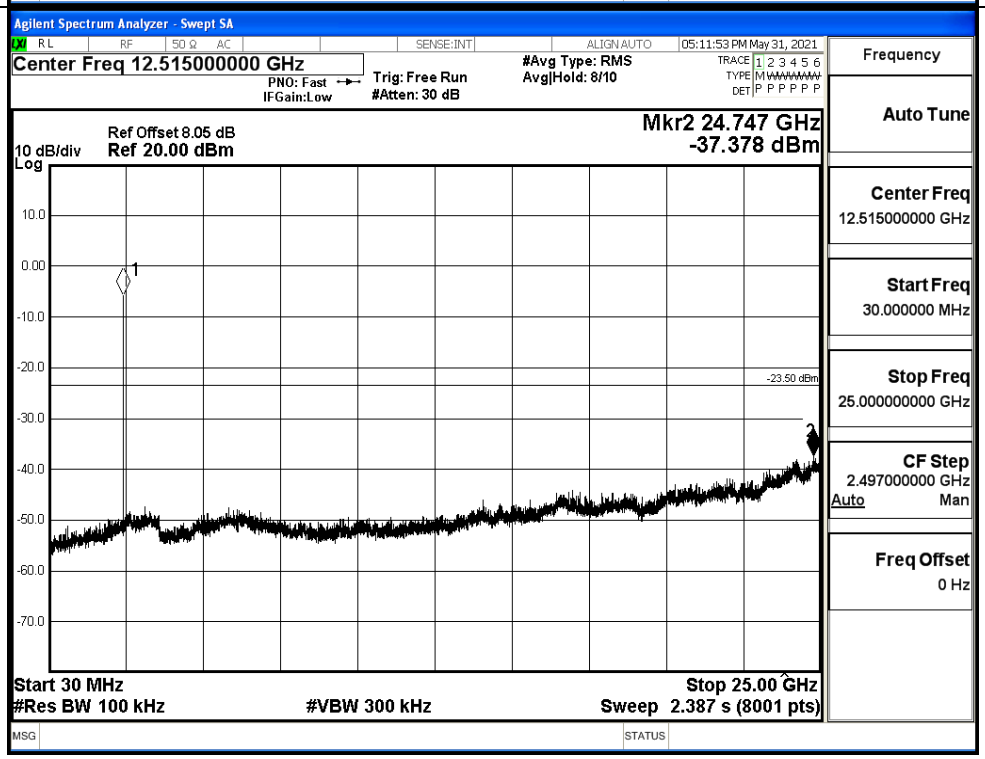
BT LE_MCH_Graphs	
Pref/BT LE/MCH	
Puw/BT LE/MCH	

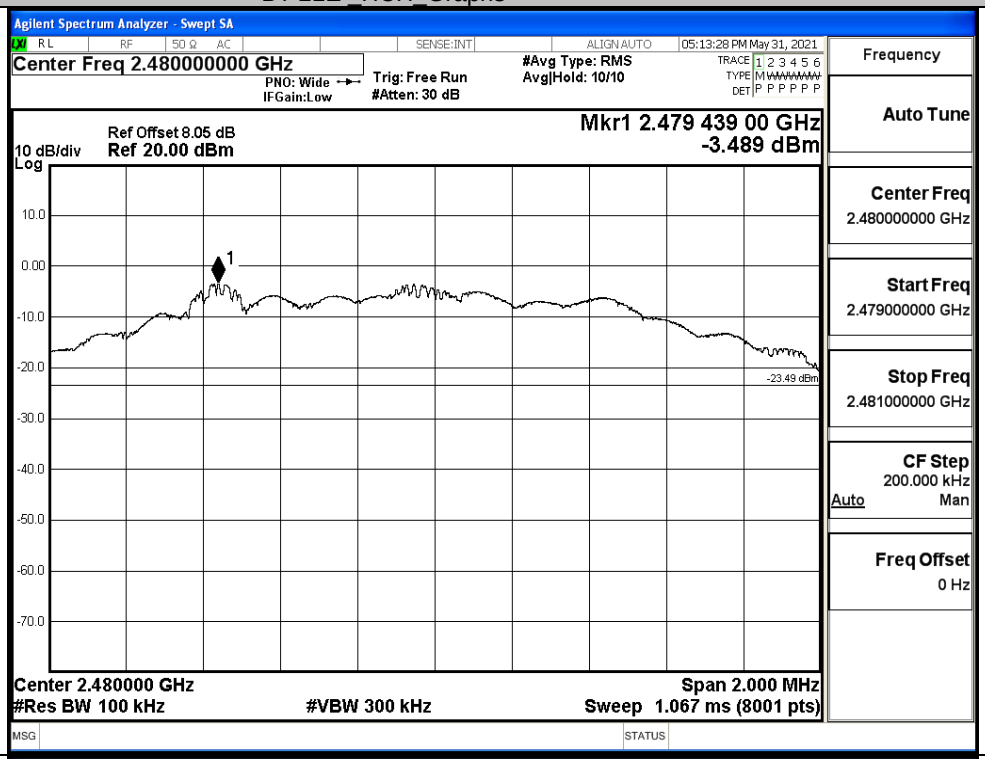
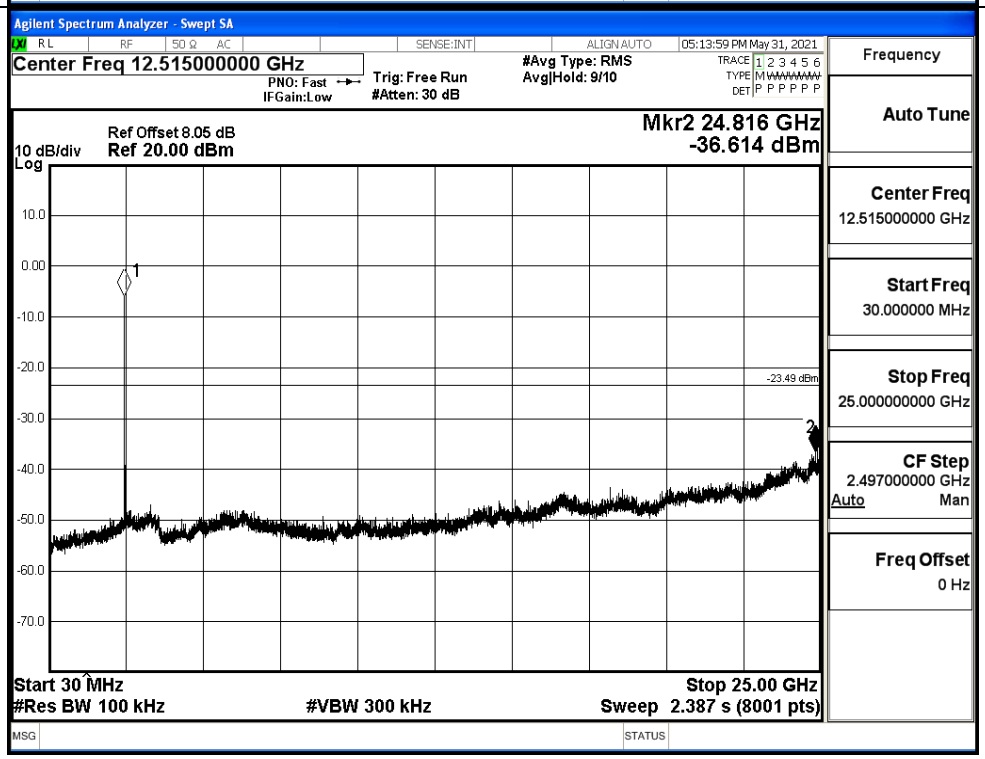
BT LE_HCH_Graphs	
Pref/BT LE/HCH	
Puw/BT LE/HCH	

BT 2LE

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-3.924	-36.639	-23.924	PASS
BT 2LE	MCH	-3.502	-37.378	-23.502	PASS
BT 2LE	HCH	-3.489	-36.614	-23.489	PASS

BT 2LE _LCH_Graphs	
Pref/BT 2LE /LCH	
Puw/BT 2LE /LCH	

BT 2LE _MCH_Graphs	
Pref/BT 2LE /MCH	
Puw/BT 2LE /MCH	

BT 2LE _HCH_Graphs	
Pref/BT 2LE /HCH	
Puw/BT 2LE /HCH	

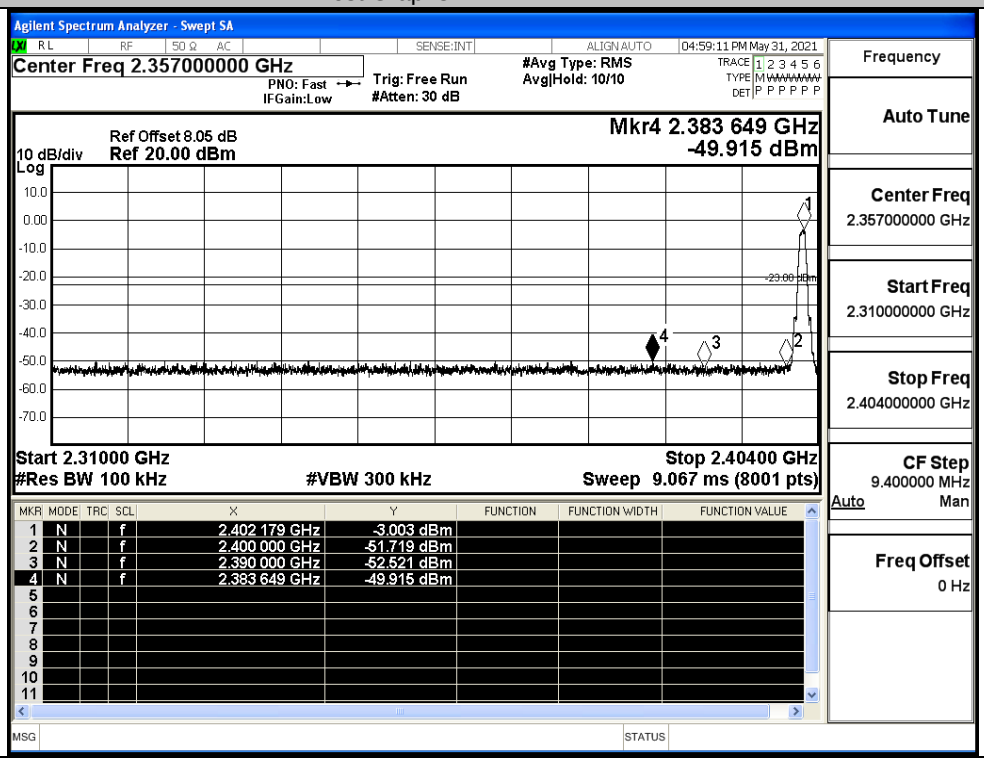
B.6 Band-edge for RF Conducted Emissions

BT LE

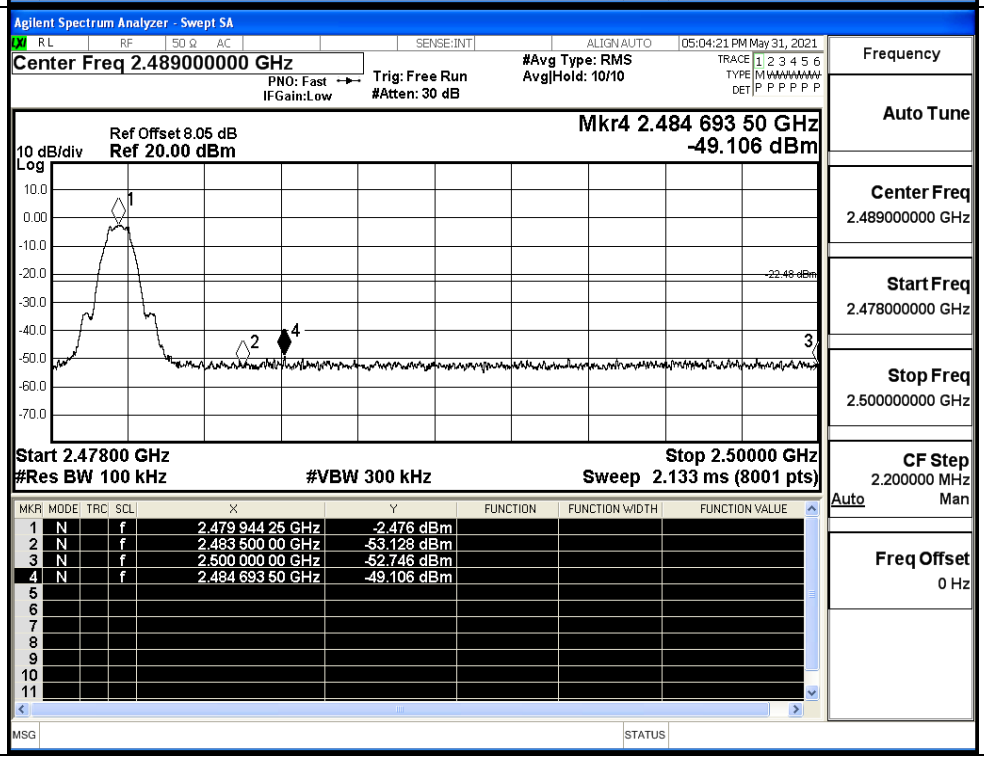
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.003	-49.915	-23	PASS
BT LE	HCH	-2.476	-49.106	-22.48	PASS

Test Graphs

LCH



HCH

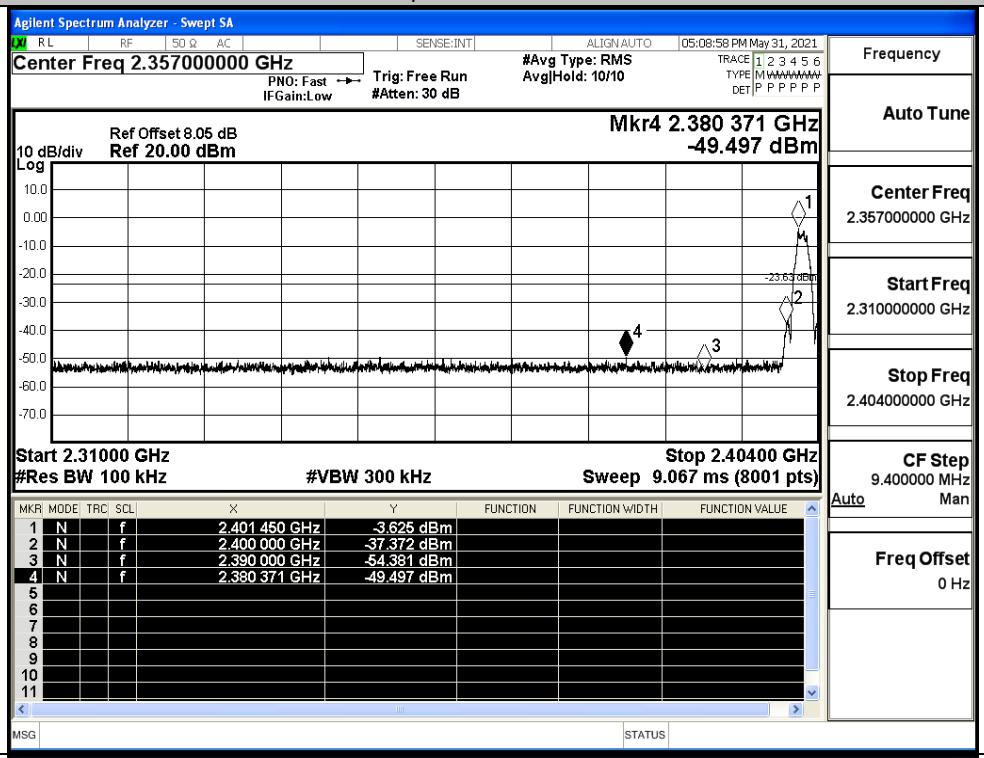


BT 2LE

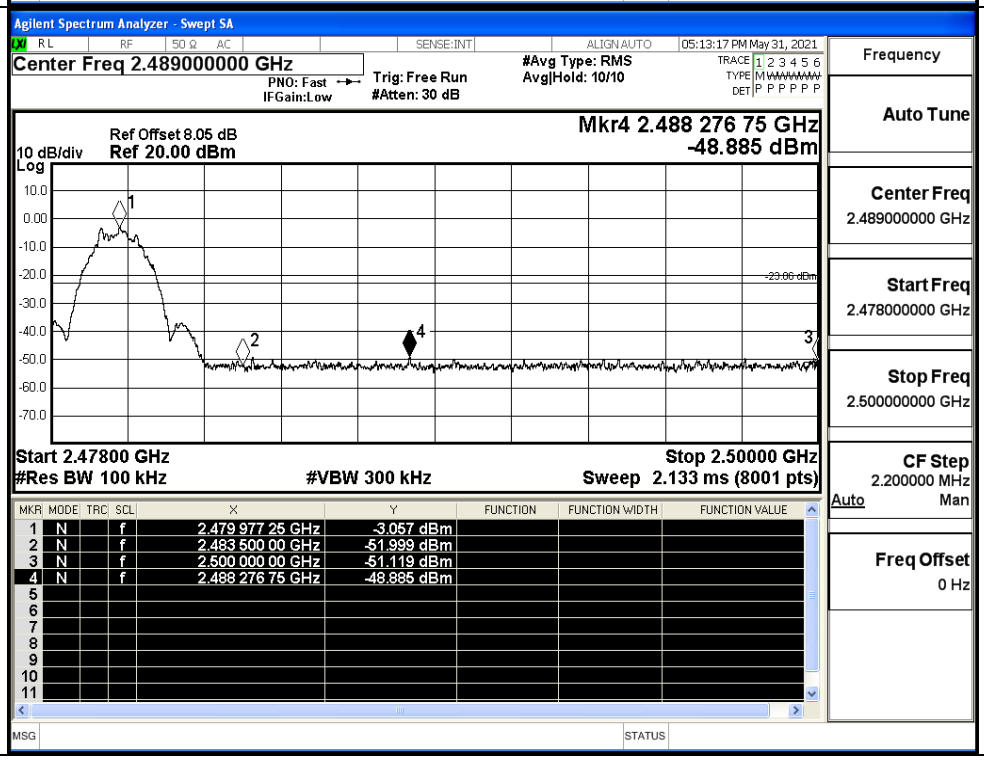
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-3.625	-49.497	-23.63	PASS
BT 2LE	HCH	-3.057	-48.885	-23.06	PASS

Test Graphs

LCH



HCH

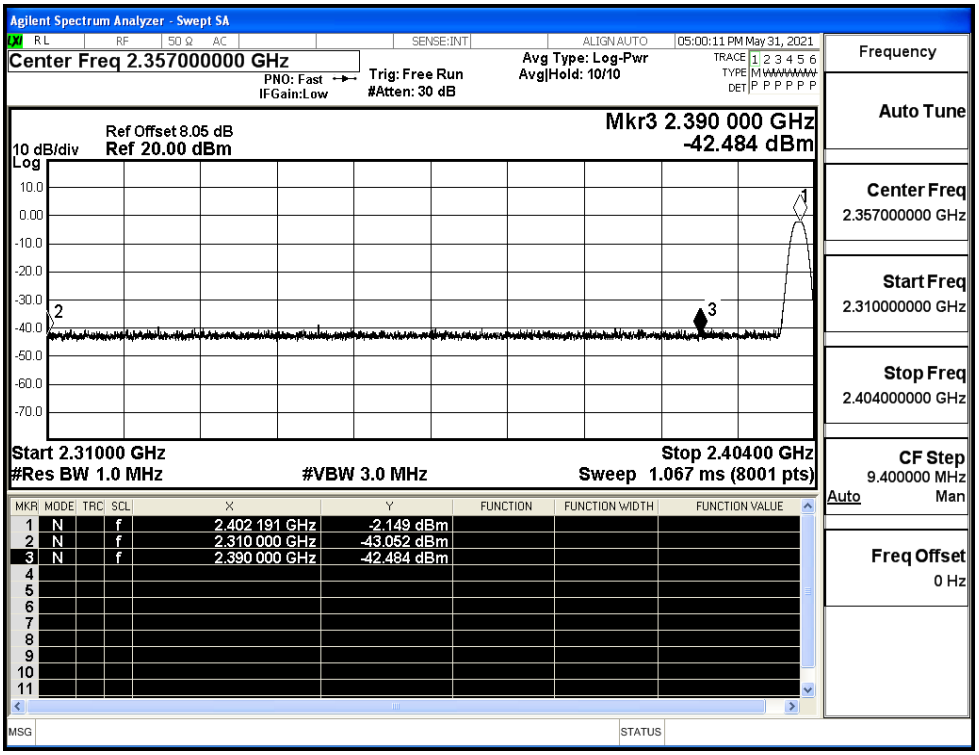


B.7 Restrict-band band-edge measurements

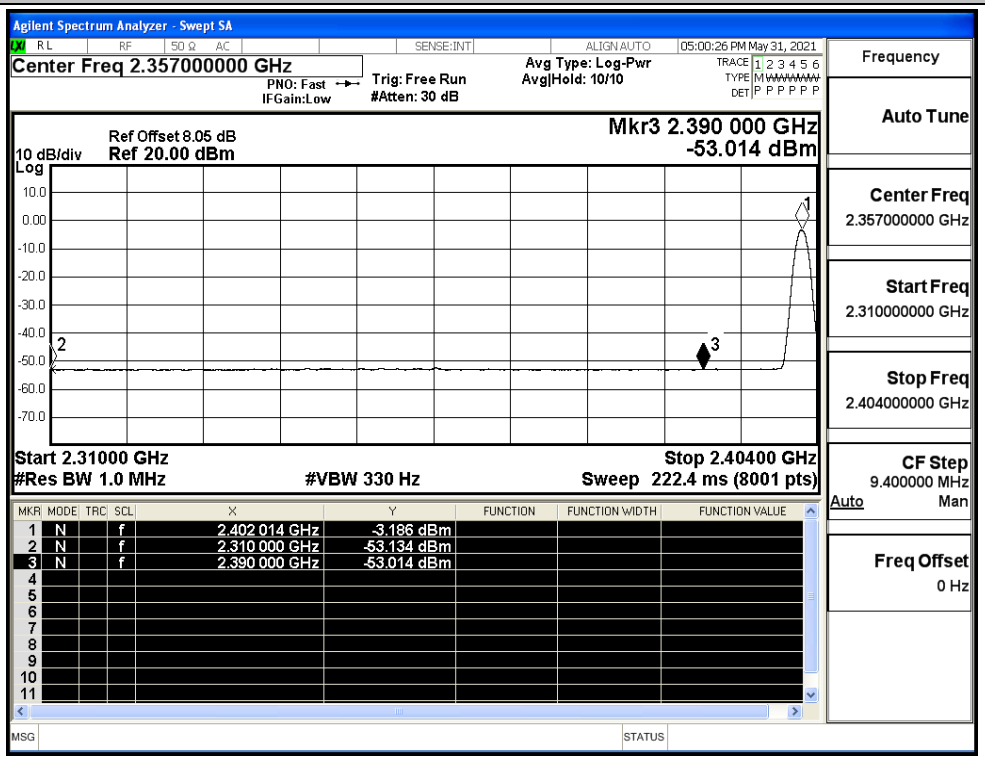
BT LE

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	-43.05	2.0	0	54.18	PEAK	74	PASS
		Ant1	2310.0	-53.13	2.0	0	44.10	AV	54	PASS
		Ant1	2390.0	-42.48	2.0	0	54.75	PEAK	74	PASS
		Ant1	2390.0	-53.01	2.0	0	44.22	AV	54	PASS
	2480	Ant1	2483.5	-42.78	2.0	0	54.45	PEAK	74	PASS
		Ant1	2483.5	-52.47	2.0	0	44.76	AV	54	PASS
		Ant1	2500.0	-41.31	2.0	0	55.92	PEAK	74	PASS
		Ant1	2500.0	-52.45	2.0	0	44.78	AV	54	PASS

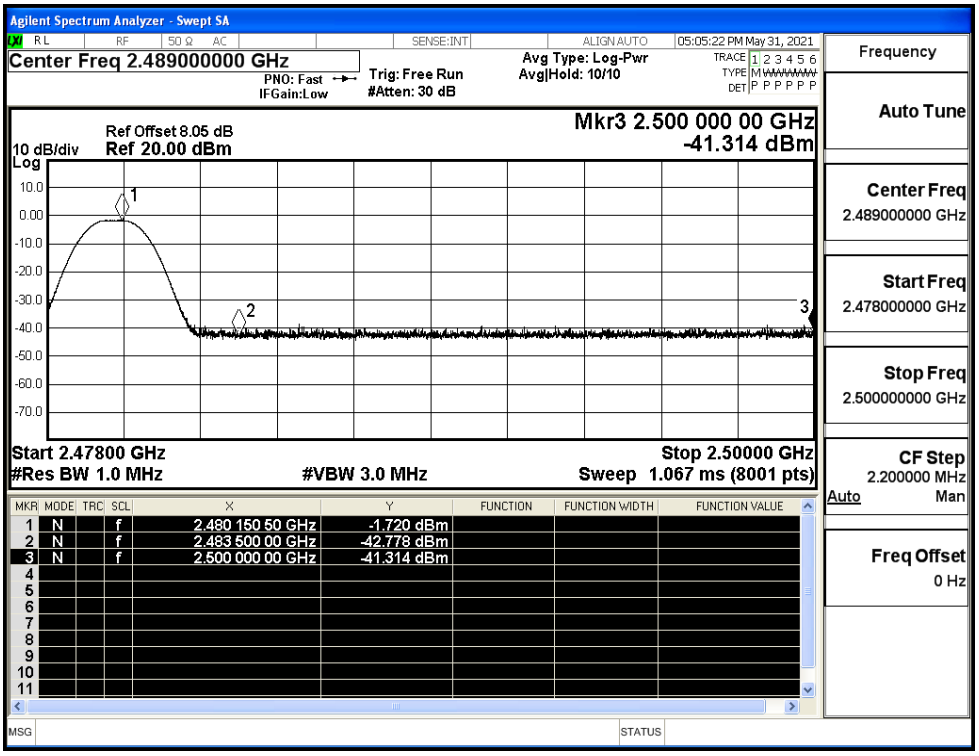
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



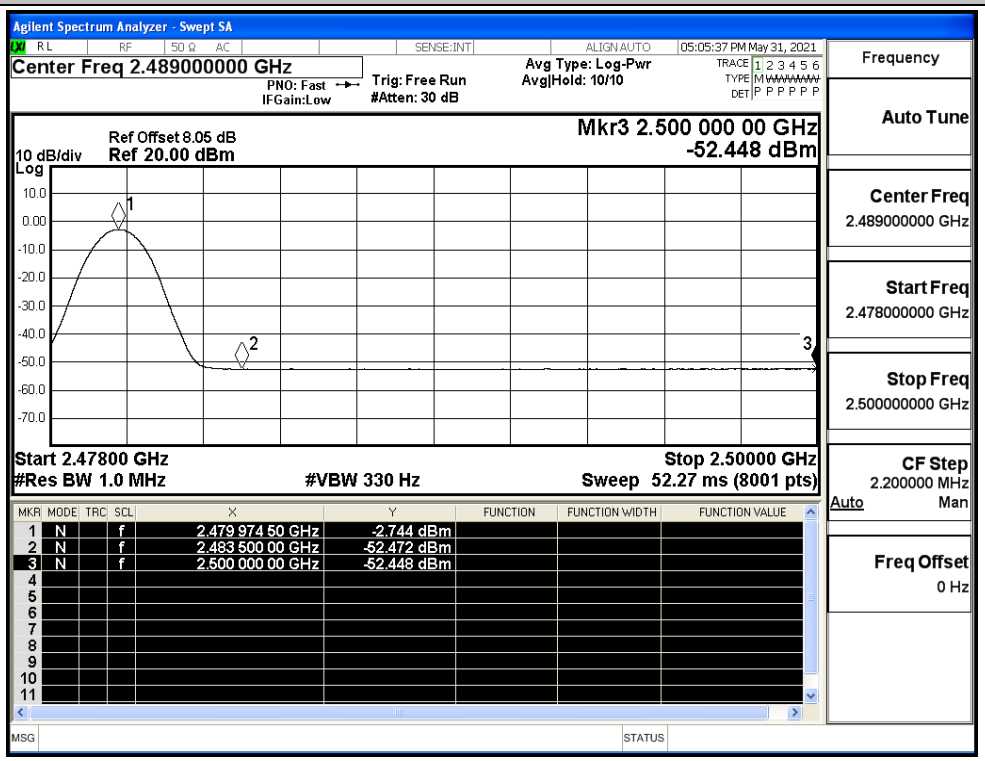
Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



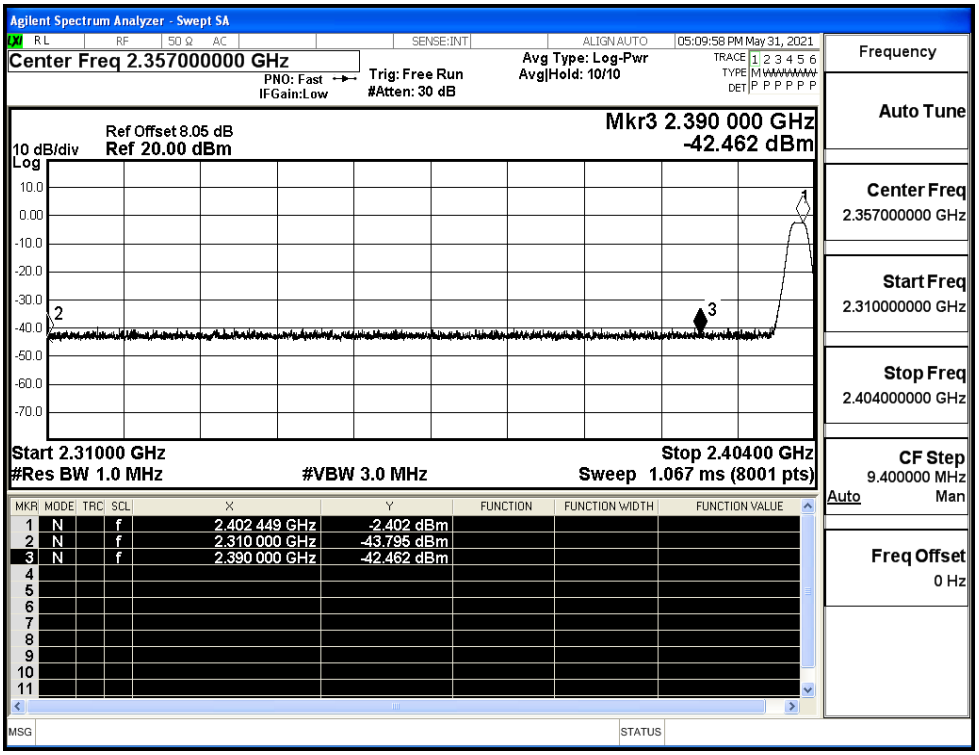
Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



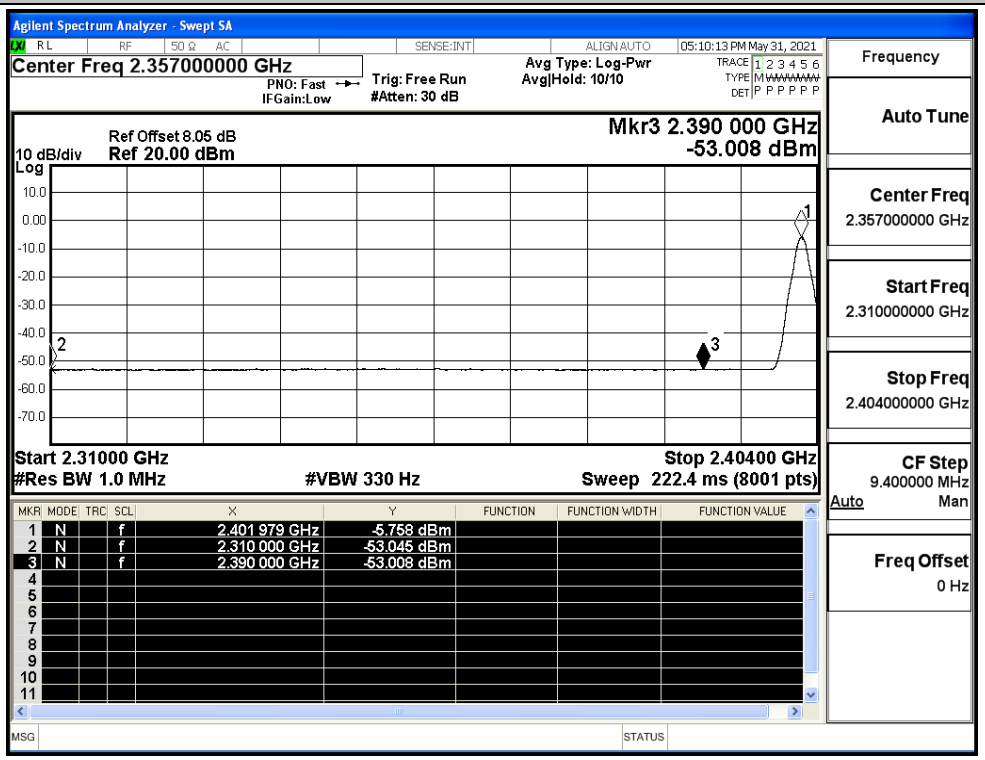
BT 2LE

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT 2LE	2402	Ant1	2310.0	-43.80	2.0	0	51.43	PEAK	74	PASS
		Ant1	2310.0	-53.05	2.0	0	42.18	AV	54	PASS
		Ant1	2390.0	-42.46	2.0	0	52.77	PEAK	74	PASS
		Ant1	2390.0	-53.01	2.0	0	42.22	AV	54	PASS
	2480	Ant1	2483.5	-43.10	2.0	0	52.13	PEAK	74	PASS
		Ant1	2483.5	-52.26	2.0	0	42.97	AV	54	PASS
		Ant1	2500.0	-42.06	2.0	0	53.17	PEAK	74	PASS
		Ant1	2500.0	-52.43	2.0	0	42.80	AV	54	PASS

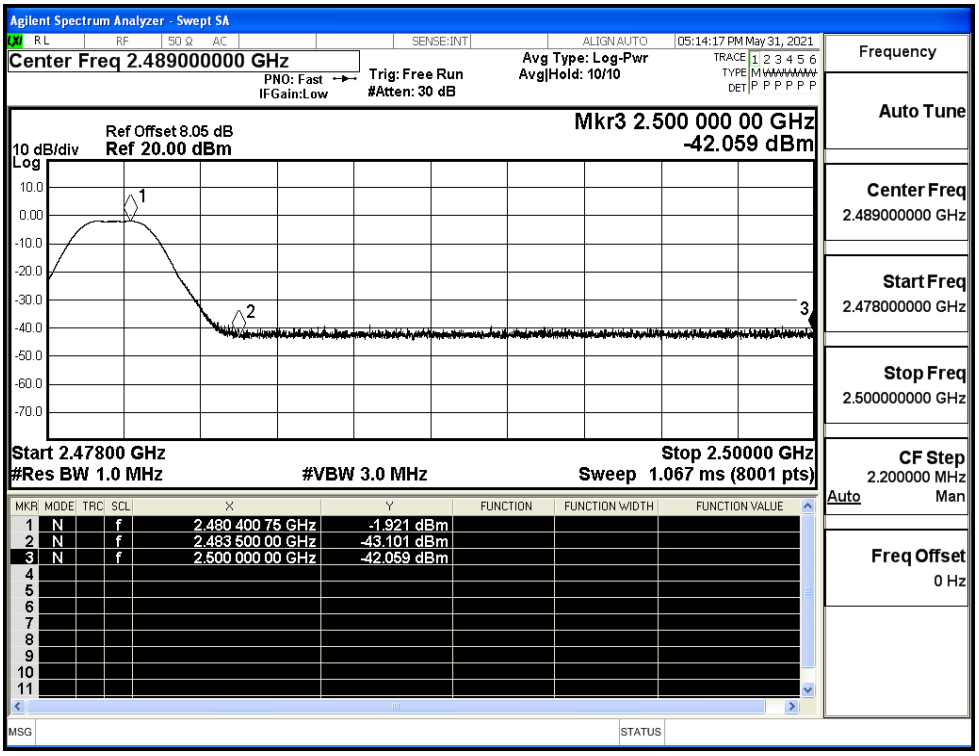
Restrict-band band-edge measurements_BT 2LE _2402_Ant1_PEAK



Restrict-band band-edge measurements_BT 2LE _2402_Ant1_AV



Restrict-band band-edge measurements_BT 2LE _2480_Ant1_PEAK



Restrict-band band-edge measurements_BT 2LE _2480_Ant1_AV