FREQUENCY STABILITY

XMit 2020.12.30.0

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Meter - Multimeter	Fluke	77-IV	MLT	2020-10-15	2023-10-15
Chamber - Temperature/Humidity	Cincinnati Sub Zero (CSZ)	ZPH-8-2-SCT/AC	TBH	NCR	NCR
Transformer	Staco Energy Products Co.	3PN2520B	XFZ	NCR	NCR
Thermometer	Omega Engineering, Inc.	HH311	DUI	2021-02-02	2024-02-02
Probe - Near Field Set	Com-Power	PS-400	IPX	NCR	NCR
Cable	UtiFlex Micro-Coax	UFD1150A-1-0720-200200	TXJ	2020-09-22	2021-09-22
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFN	2021-01-06	2022-01-06

TEST DESCRIPTION

The spectrum analyzer is equipped with a precision frequency reference that exceeds the stability requirement of the EUT.

Measurements were made on the single transmit frequency as called out on the data sheets. Testing was done while the EUT was continuously polling.

The primary supply voltage was varied from 85 % to 115% of the nominal voltage while at ambient temperature. Using a temperature chamber, the transmit frequency was recorded at the extremes of the specified temperature range of -20 ° to +50° C and at 10°C intervals.

The requirement of a frequency tolerance of ±0.01% is equivalent to 100 ppm
The formula to check for compliance is:

ppm = (Measured Frequency / Measured Nominal Frequency - 1) * 1,000,000

FREQUENCY STABILITY

element

TbtTx 2021.03.19.1 XMit 2020.12.30.0

EUT:	**GLP12408 SAL Alinity C End Section**			**Work Order:**	**ABBO0080**
Serial Number:	**ENG02-AP**			**Date:**	**24-Jul-21**
Customer:	**Abbott Laboratories**			**Temperature:**	**25 °C**
Attendees:	**Don Mendell**			**Humidity:**	**48.4% RH**
Project:	**None**			**Barometric Pres.:**	**1019 mbar**
Tested by:	**Mark Baytan**	**Power:**	**220VAC/60Hz**	**Job Site:**	**TX05**

TEST SPECIFICATIONS	**Test Method**
FCC 15.225:2021	ANSI C63.10:2013

COMMENTS

AccessPoint Radio

DEVIATIONS FROM TEST STANDARD

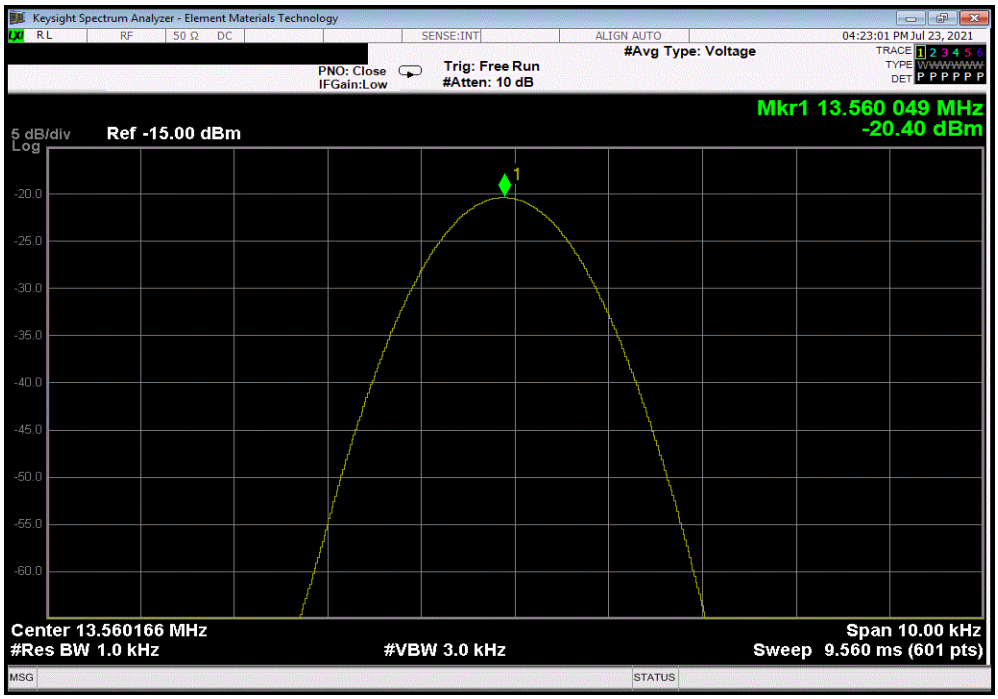
None

Configuration #	**2**	*Signature*

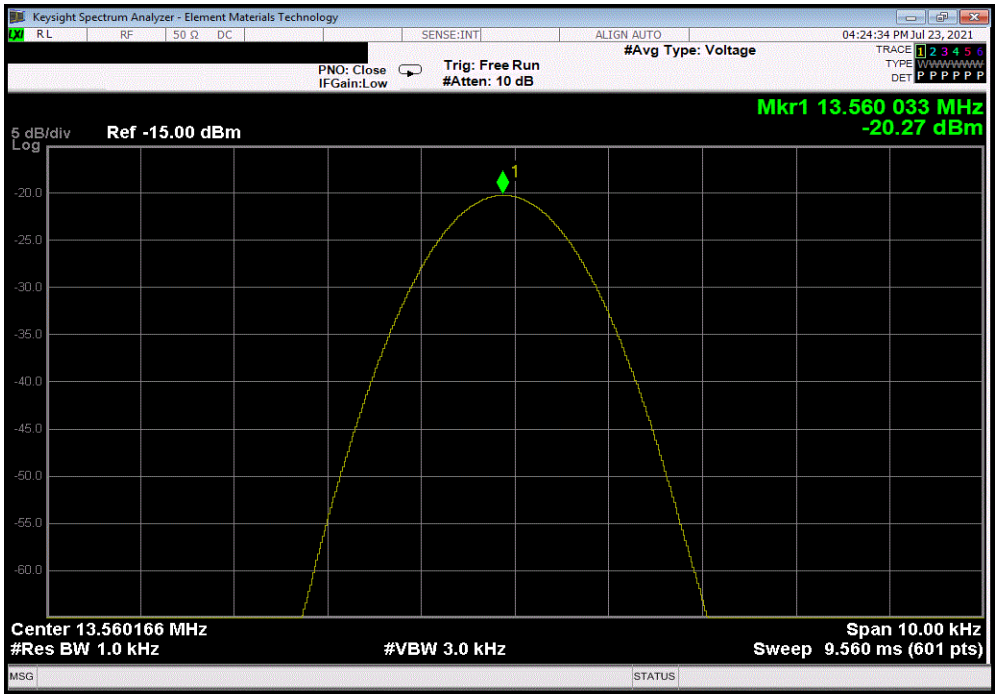
	Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
Normal Voltage					
Mid Channel, 13.56 MHz	13.56004933	13.56004933	0	100	Pass
Extreme Voltage +15%					
Mid Channel, 13.56 MHz	13.56003267	13.56004933	1.2	100	Pass
Extreme Voltage -15%					
Mid Channel, 13.56 MHz	13.56003367	13.56004933	1.2	100	Pass
Extreme Temperature +50°C					
Mid Channel, 13.56 MHz	13.55996633	13.56004933	6.1	100	Pass
Extreme Temperature +40°C					
Mid Channel, 13.56 MHz	13.55998367	13.56004933	4.8	100	Pass
Extreme Temperature +30°C					
Mid Channel, 13.56 MHz	13.560033	13.56004933	1.2	100	Pass
Extreme Temperature +20°C					
Mid Channel, 13.56 MHz	13.56003267	13.56004933	1.2	100	Pass
Extreme Temperature +10°C					
Mid Channel, 13.56 MHz	13.56009967	13.56004933	3.7	100	Pass
Extreme Temperature 0°C					
Mid Channel, 13.56 MHz	13.560116	13.56004933	4.9	100	Pass
Extreme Temperature -10°C					
Mid Channel, 13.56 MHz	13.560133	13.56004933	6.2	100	Pass
Extreme Temperature -20°C					
Mid Channel, 13.56 MHz	13.56011633	13.56004933	4.9	100	Pass

FREQUENCY STABILITY

Normal Voltage, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56004933	13.56004933	0	100	Pass

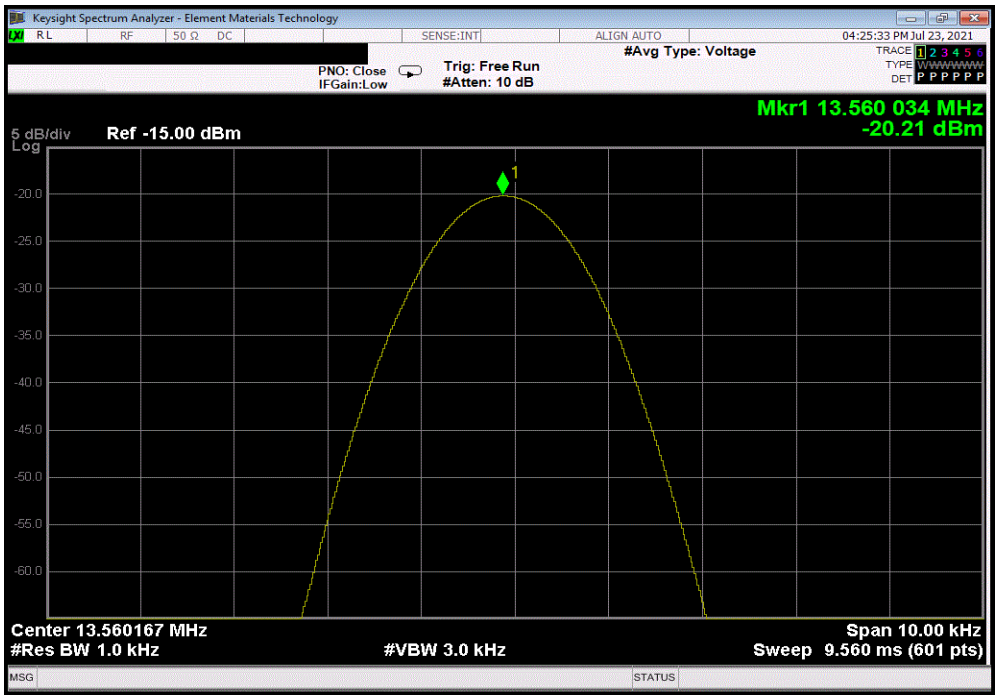


Extreme Voltage +15%, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56003267	13.56004933	1.2	100	Pass

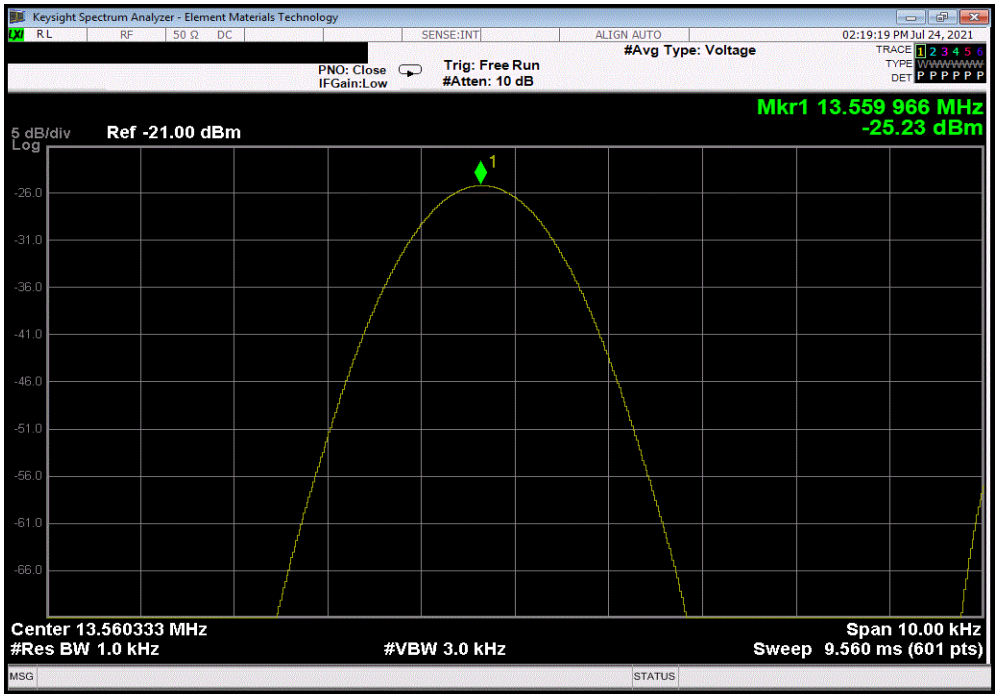


FREQUENCY STABILITY

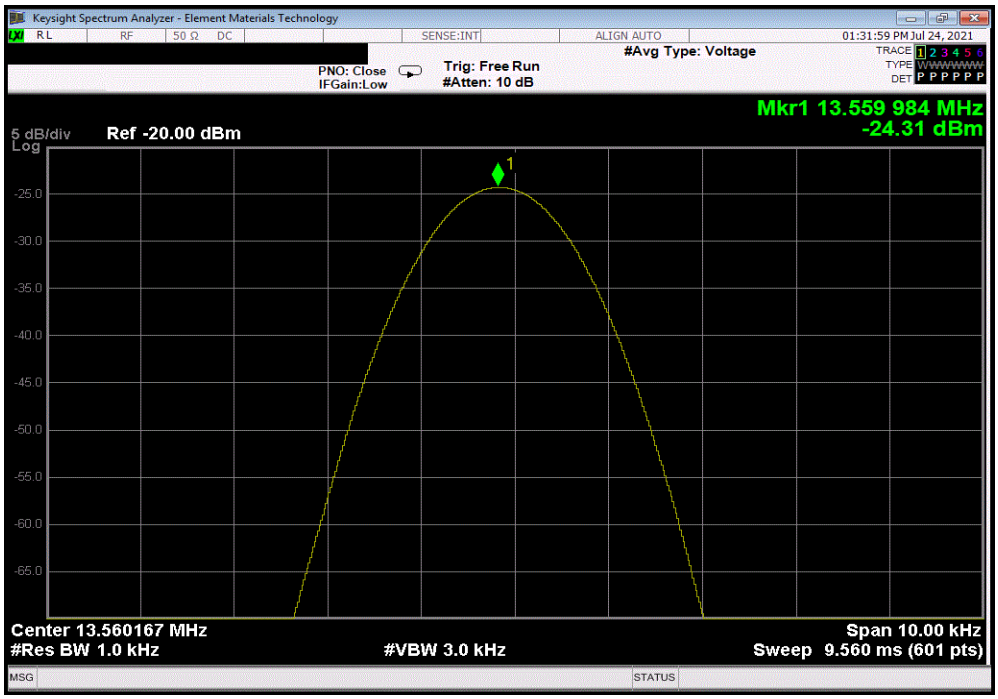
Extreme Voltage -15%, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56003367	13.56004933	1.2	100	Pass



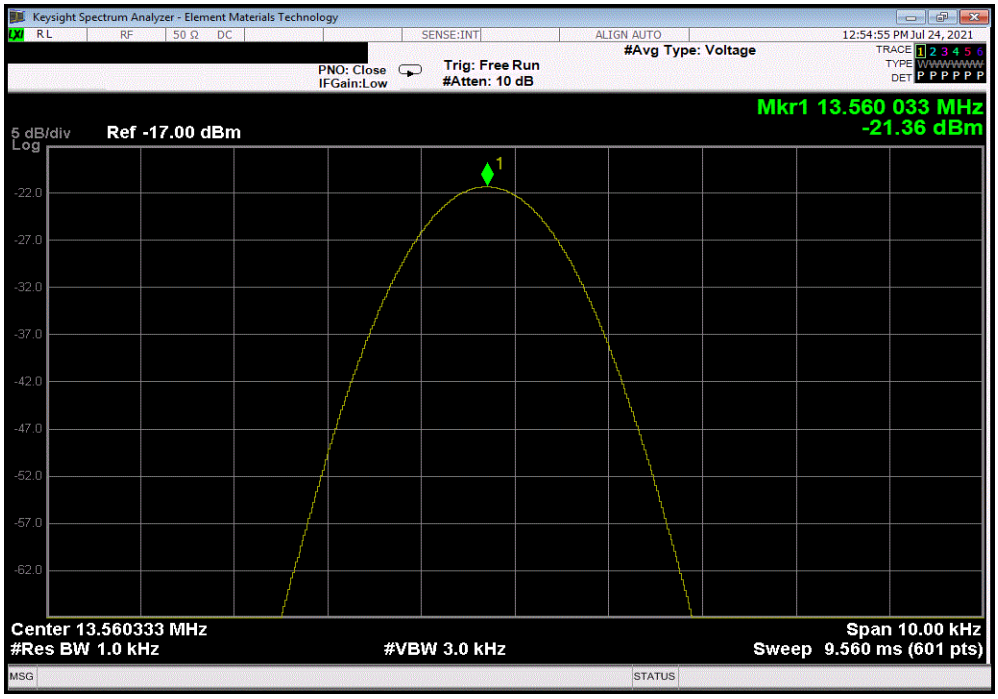
Extreme Temperature +50°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.55996633	13.56004933	6.1	100	Pass



Extreme Temperature +40°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.55998367	13.56004933	4.8	100	Pass

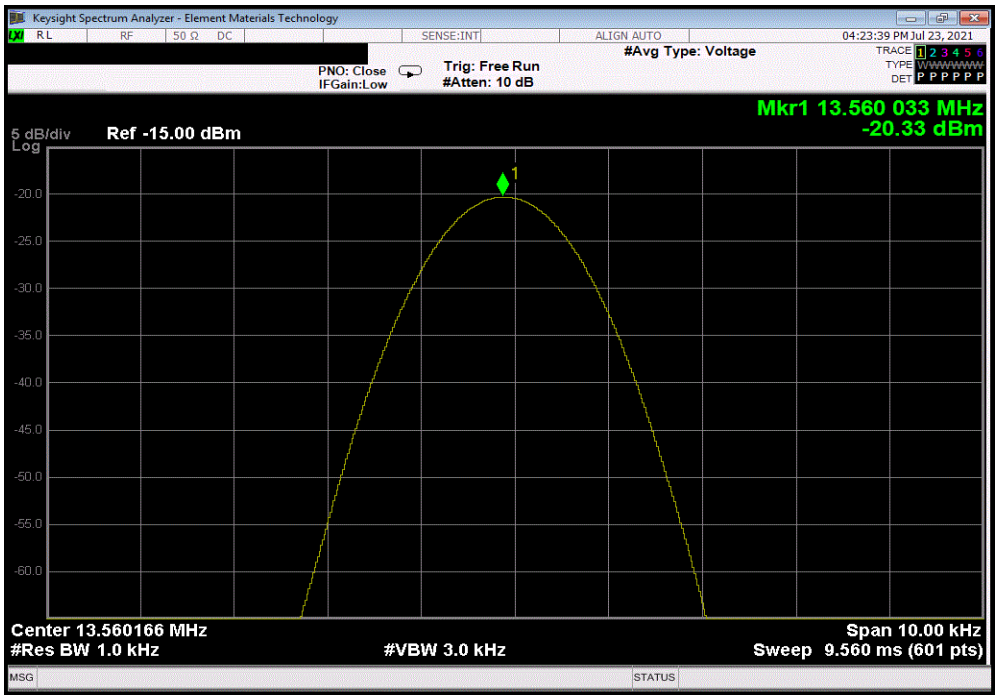


Extreme Temperature +30°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.560033	13.56004933	1.2	100	Pass

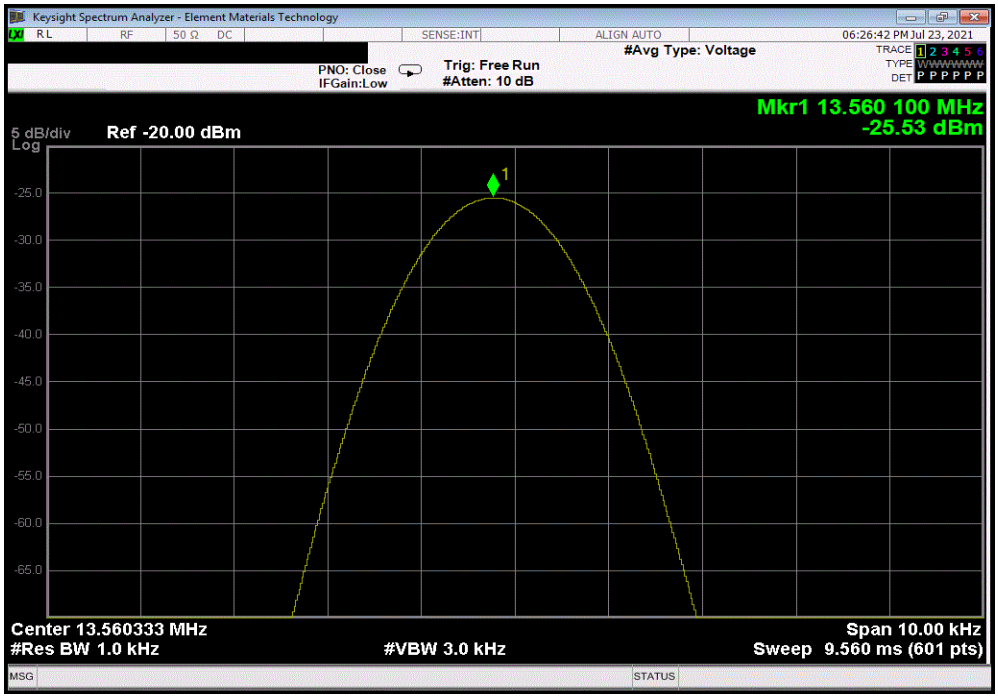


FREQUENCY STABILITY

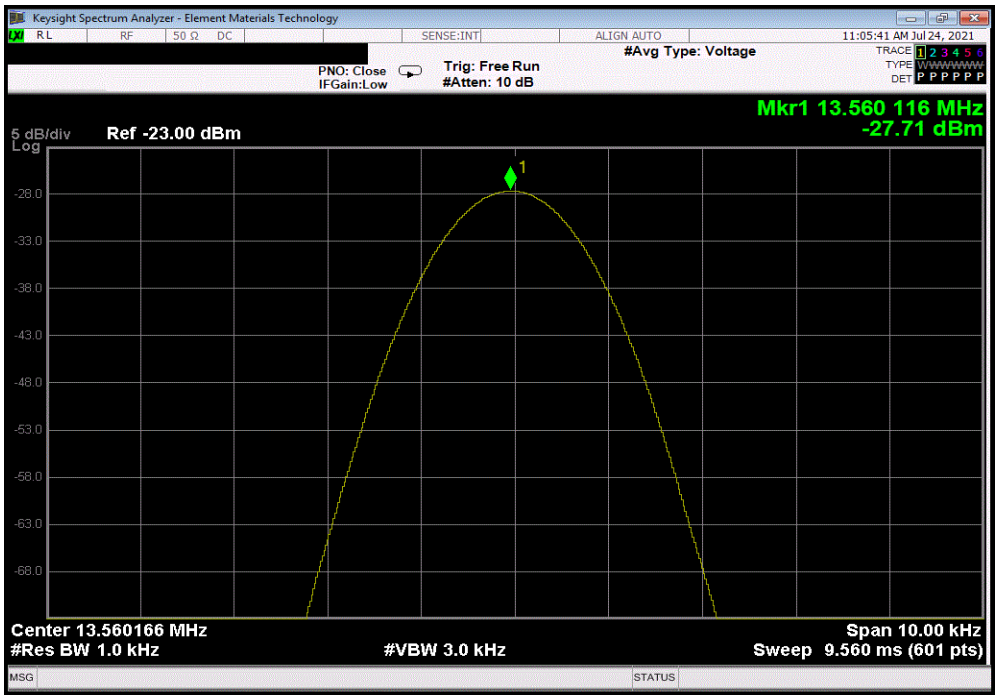
Extreme Temperature +20°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56003267	13.56004933	1.2	100	Pass



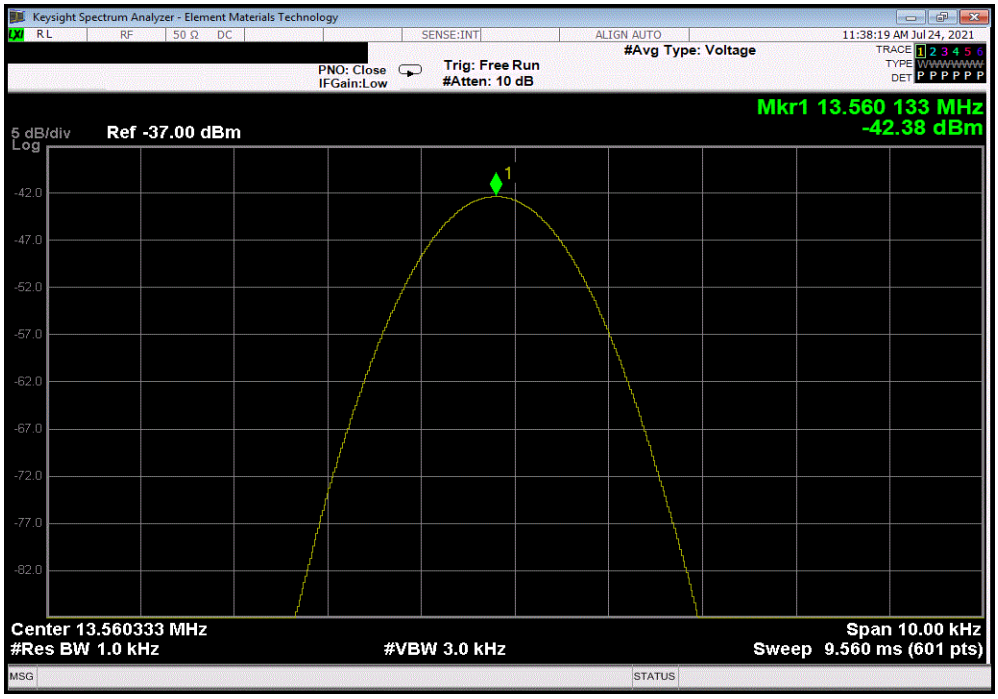
Extreme Temperature +10°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56009967	13.56004933	3.7	100	Pass



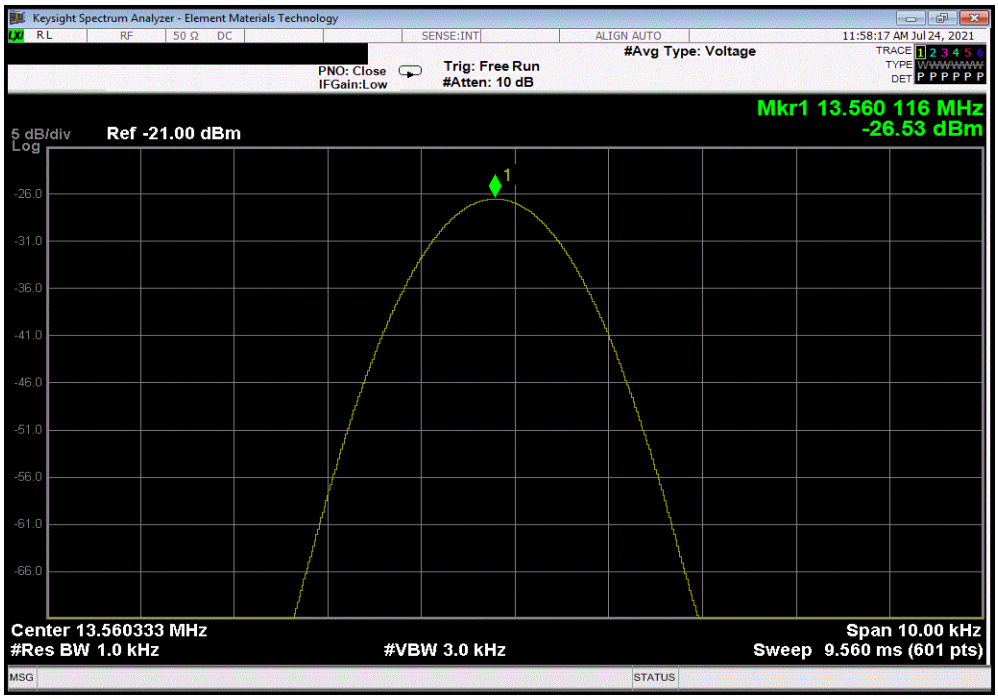
Extreme Temperature 0°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.560116	13.56004933	4.9	100	Pass



Extreme Temperature -10°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.560133	13.56004933	6.2	100	Pass



Extreme Temperature -20°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56011633	13.56004933	4.9	100	Pass



FREQUENCY STABILITY

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TbtTx 2021.03.19.1 XMit 2020.12.30.0

EUT:	**GLP12408 SAL Alinity C End Section**			**Work Order:**	**ABBO0080**
Serial Number:	**ENG05-CS**			**Date:**	**24-Jul-21**
Customer:	**Abbott Laboratories**			**Temperature:**	**25 °C**
Attendees:	**Don Mendell**			**Humidity:**	**48.4% RH**
Project:	**None**			**Barometric Pres.:**	**1019 mbar**
Tested by:	**Mark Baytan**	**Power:**	**220VAC/60Hz**	**Job Site:**	**TX05**

TEST SPECIFICATIONS	**Test Method**
FCC 15.225:2021	ANSI C63.10:2013

COMMENTS

CrossSwitch Radio/Convergent Radio. Both radios are electrically identical and share the same PCB: 20005732, therefore, the data presented accounts for both radios.

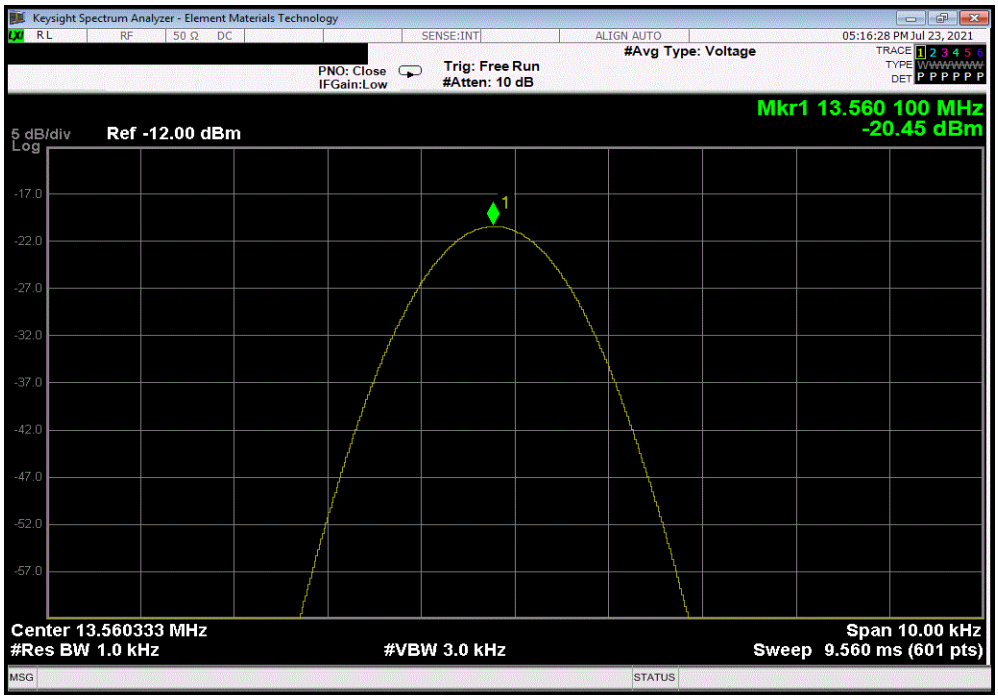
DEVIATIONS FROM TEST STANDARD

None

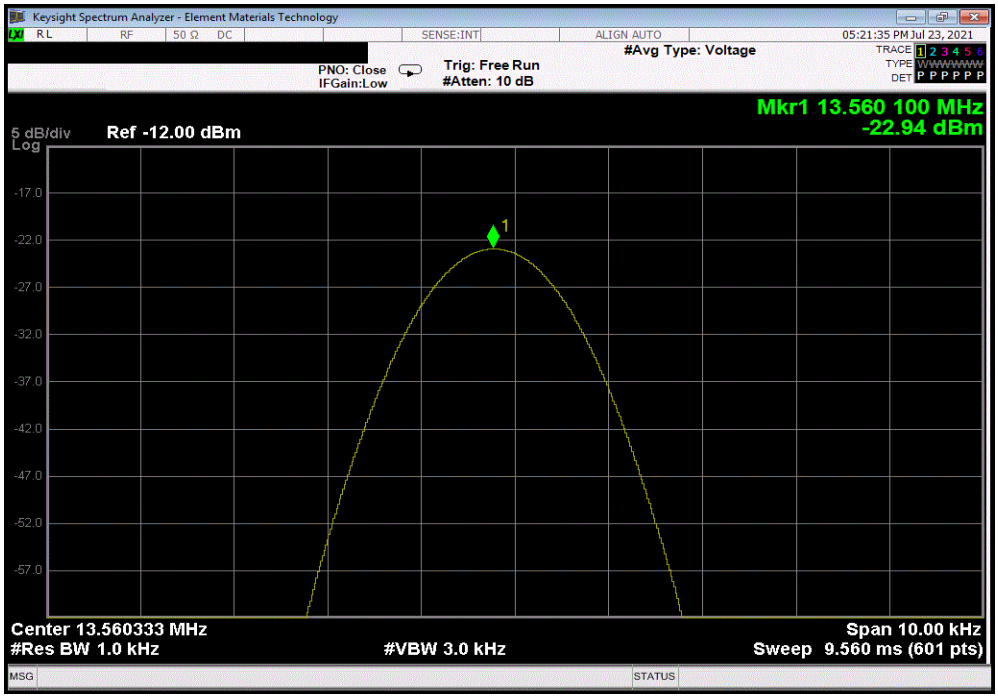
Configuration #	**2**	*Signature*

		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
CrossSwitch Radio - Antenna 1						
	Normal Voltage					
	Mid Channel, 13.56 MHz	13.56009967	13.56009967	0	100	Pass
	Extreme Voltage +15%					
	Mid Channel, 13.56 MHz	13.56009967	13.56009967	0	100	Pass
	Extreme Voltage -15%					
	Mid Channel, 13.56 MHz	13.56006633	13.56009967	2.5	100	Pass
	Extreme Temperature +50°C					
	Mid Channel, 13.56 MHz	13.55998267	13.56009967	8.6	100	Pass
	Extreme Temperature +40°C					
	Mid Channel, 13.56 MHz	13.560016	13.56009967	6.2	100	Pass
	Extreme Temperature +30°C					
	Mid Channel, 13.56 MHz	13.56004967	13.56009967	3.7	100	Pass
	Extreme Temperature +20°C					
	Mid Channel, 13.56 MHz	13.56006633	13.56009967	2.5	100	Pass
	Extreme Temperature +10°C					
	Mid Channel, 13.56 MHz	13.56014967	13.56009967	3.7	100	Pass
	Extreme Temperature 0°C					
	Mid Channel, 13.56 MHz	13.560183	13.56009967	6.1	100	Pass
	Extreme Temperature -10°C					
	Mid Channel, 13.56 MHz	13.5602	13.56009967	7.4	100	Pass
	Extreme Temperature -20°C					
	Mid Channel, 13.56 MHz	13.560183	13.56009967	6.1	100	Pass
CrossSwitch Radio - Antenna 2						
	Normal Voltage					
	Mid Channel, 13.56 MHz	13.56003267	13.56003267	0	100	Pass
	Extreme Voltage +15%					
	Mid Channel, 13.56 MHz	13.56009967	13.56003267	4.9	100	Pass
	Extreme Voltage -15%					
	Mid Channel, 13.56 MHz	13.560016	13.56003267	1.2	100	Pass
	Extreme Temperature +50°C					
	Mid Channel, 13.56 MHz	13.55994933	13.56003267	6.1	100	Pass
	Extreme Temperature +40°C					
	Mid Channel, 13.56 MHz	13.55993367	13.56003267	7.3	100	Pass
	Extreme Temperature +30°C					
	Mid Channel, 13.56 MHz	13.55998333	13.56003267	3.6	100	Pass
	Extreme Temperature +20°C					
	Mid Channel, 13.56 MHz	13.560066	13.56003267	2.5	100	Pass
	Extreme Temperature +10°C					
	Mid Channel, 13.56 MHz	13.560066	13.56003267	2.5	100	Pass
	Extreme Temperature 0°C					
	Mid Channel, 13.56 MHz	13.56009967	13.56003267	4.9	100	Pass
	Extreme Temperature -10°C					
	Mid Channel, 13.56 MHz	13.56011633	13.56003267	6.1	100	Pass
	Extreme Temperature -20°C					
	Mid Channel, 13.56 MHz	13.56008367	13.56003267	3.8	100	Pass

CrossSwitch Radio - Antenna 1, Normal Voltage, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56009967	13.56009967	0	100	Pass

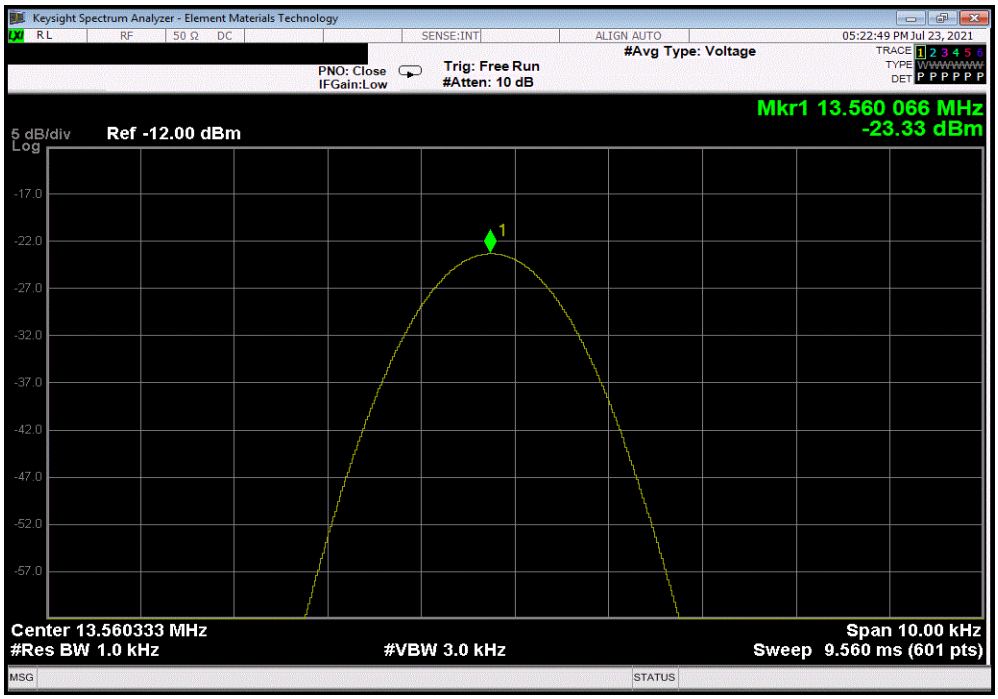


CrossSwitch Radio - Antenna 1, Extreme Voltage +15%, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56009967	13.56009967	0	100	Pass

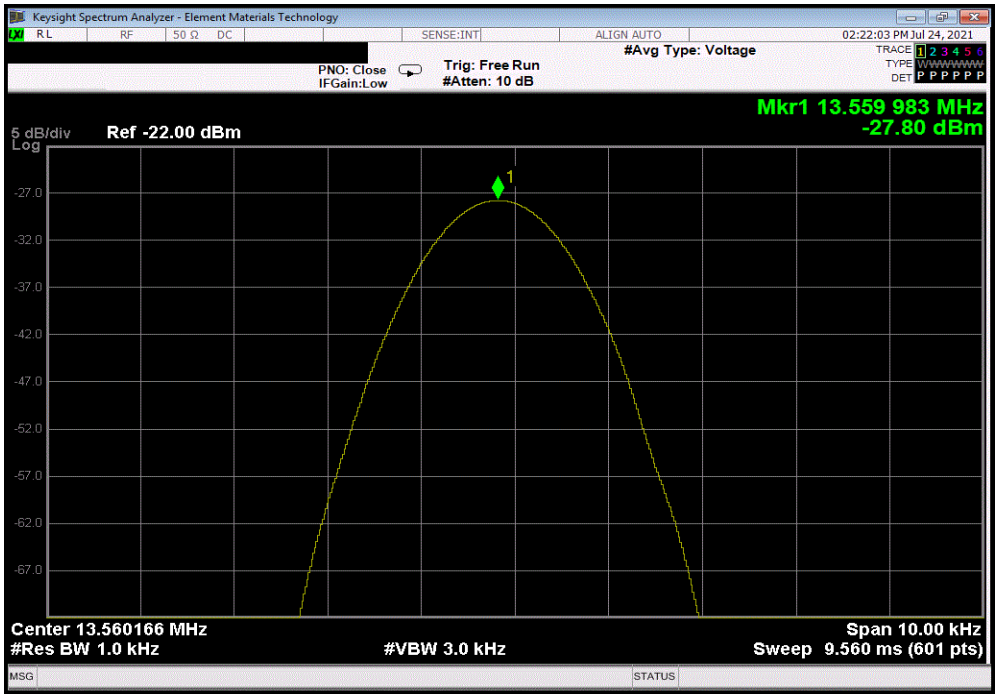


FREQUENCY STABILITY

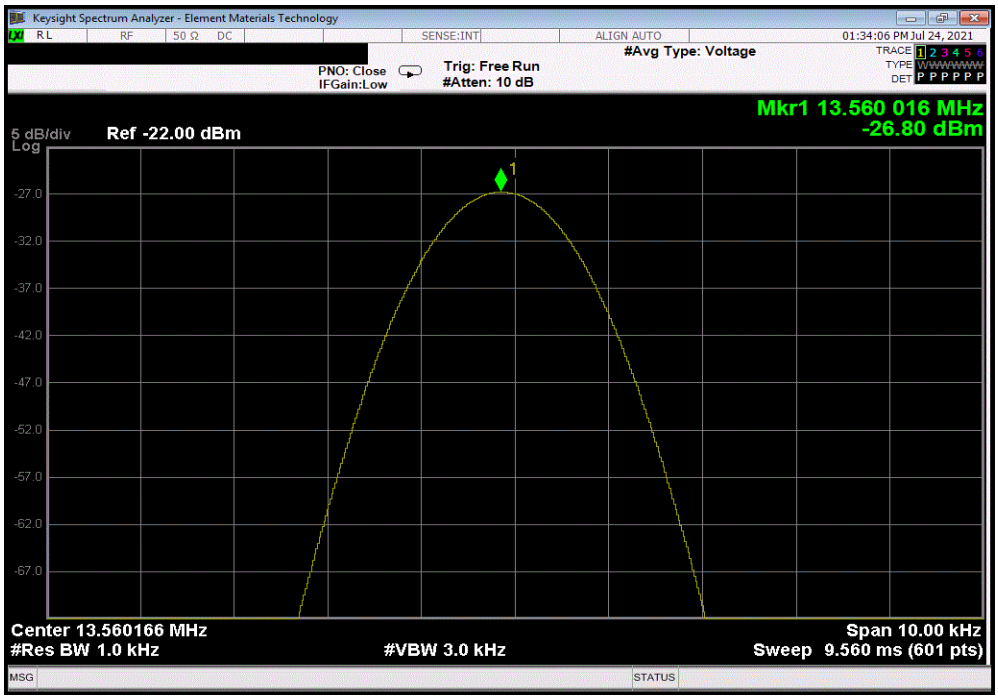
CrossSwitch Radio - Antenna 1, Extreme Voltage -15%, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56006633	13.56009967	2.5	100	Pass



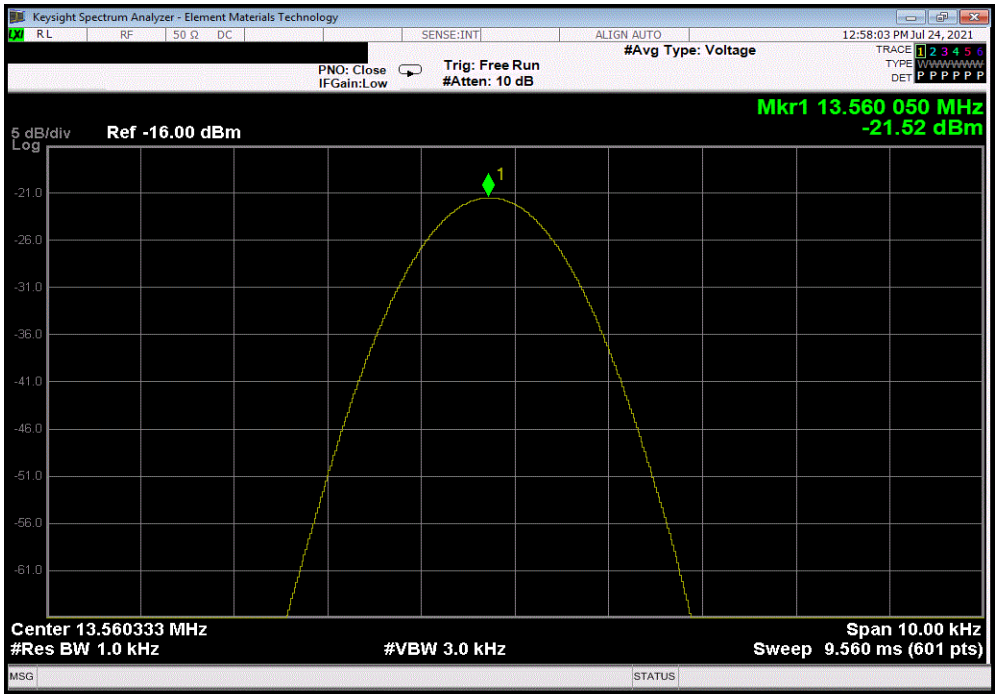
CrossSwitch Radio - Antenna 1, Extreme Temperature +50°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.55998267	13.56009967	8.6	100	Pass



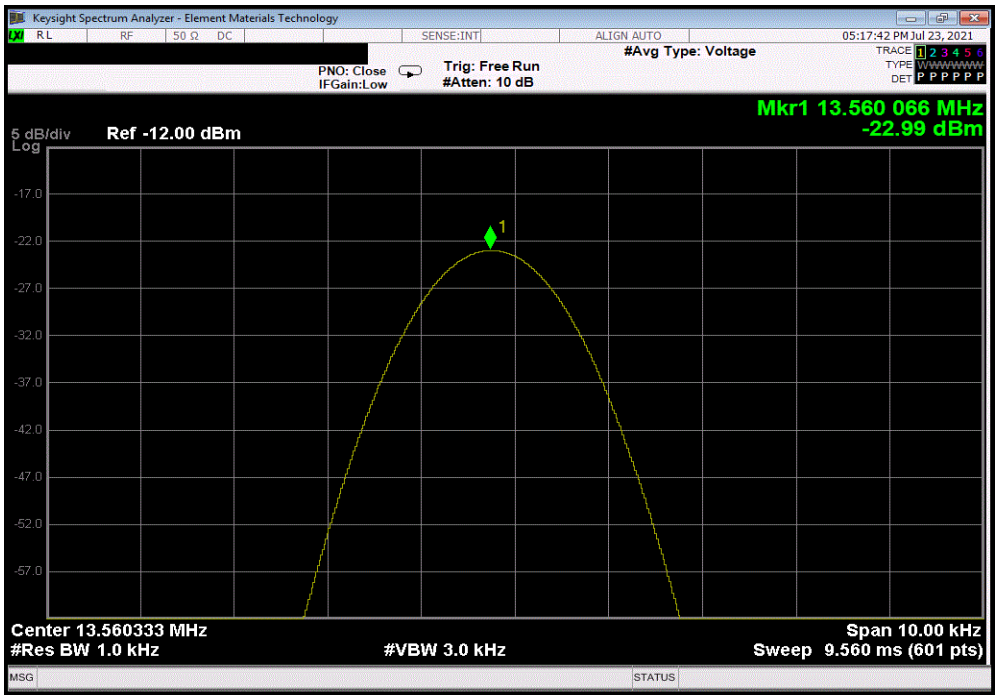
CrossSwitch Radio - Antenna 1, Extreme Temperature +40°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.560016	13.56009967	6.2	100	Pass



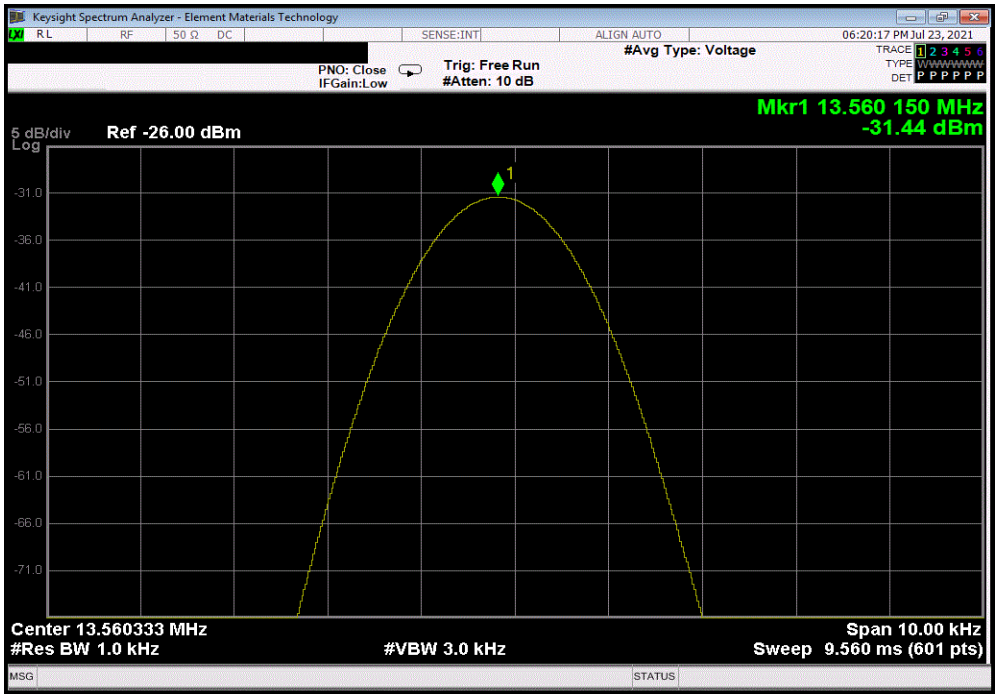
CrossSwitch Radio - Antenna 1, Extreme Temperature +30°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56004967	13.56009967	3.7	100	Pass



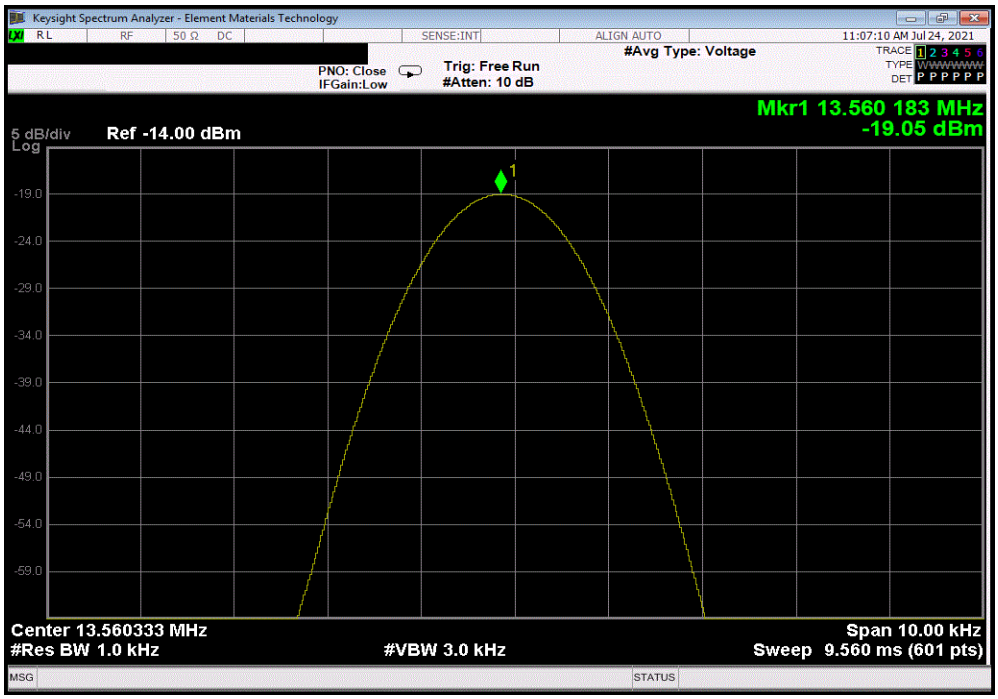
CrossSwitch Radio - Antenna 1, Extreme Temperature +20°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56006633	13.56009967	2.5	100	Pass



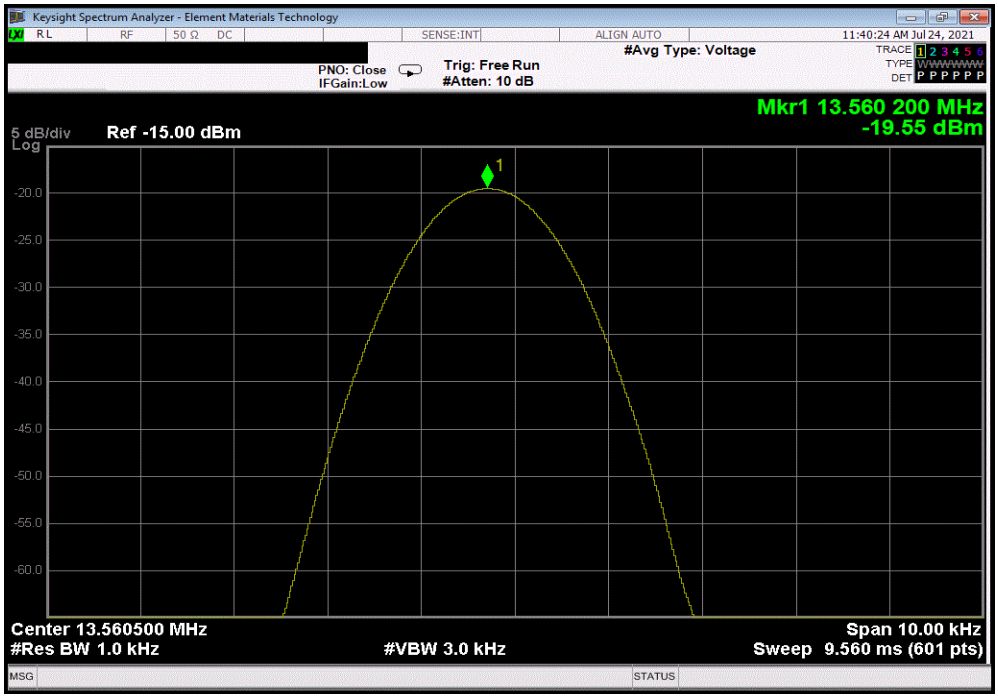
CrossSwitch Radio - Antenna 1, Extreme Temperature +10°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56014967	13.56009967	3.7	100	Pass



CrossSwitch Radio - Antenna 1, Extreme Temperature 0°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.560183	13.56009967	6.1	100	Pass



CrossSwitch Radio - Antenna 1, Extreme Temperature -10°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.5602	13.56009967	7.4	100	Pass



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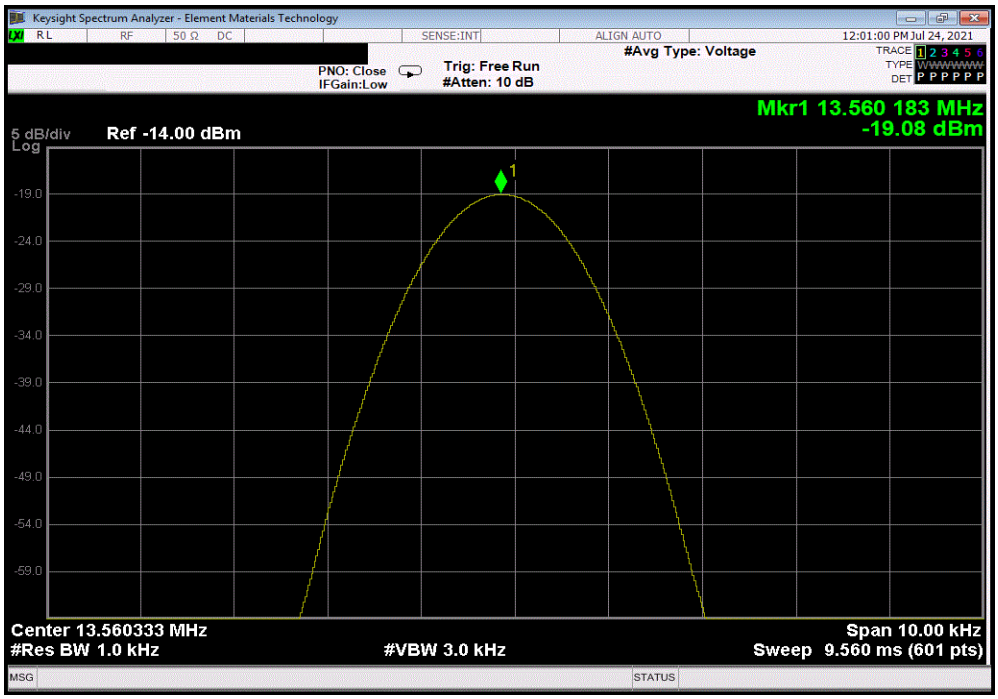
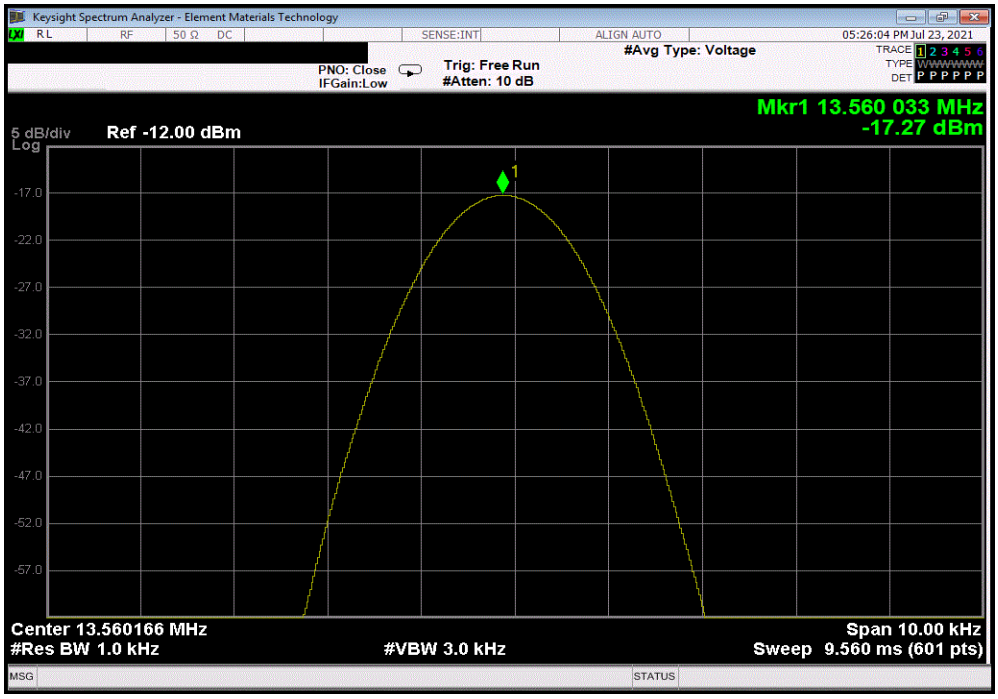
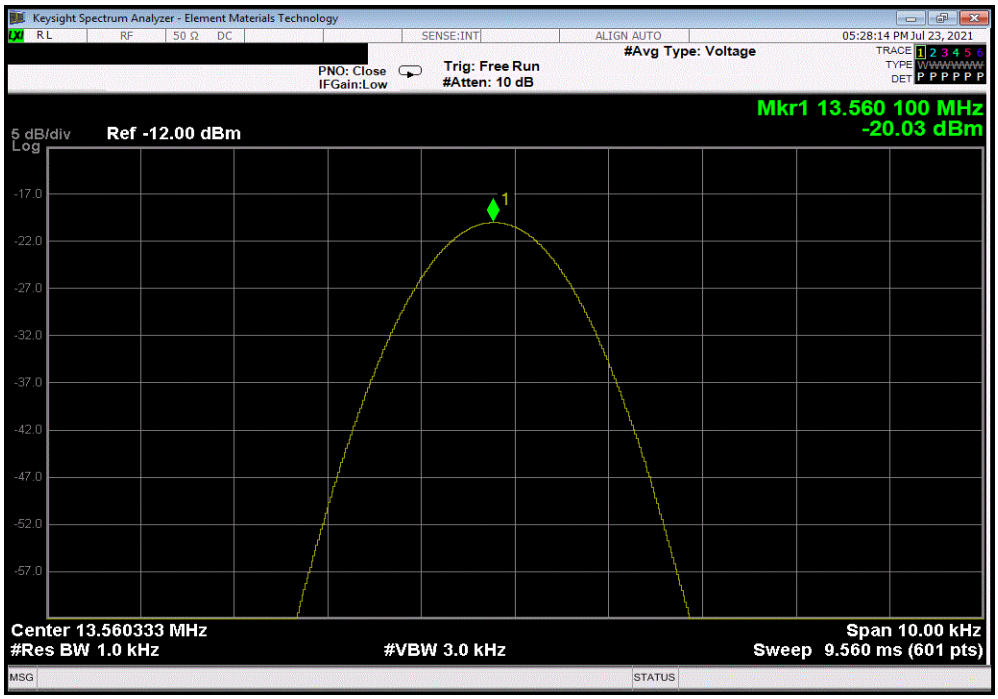
CrossSwitch Radio - Antenna 1, Extreme Temperature -20°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.560183	13.56009967	6.1	100	Pass



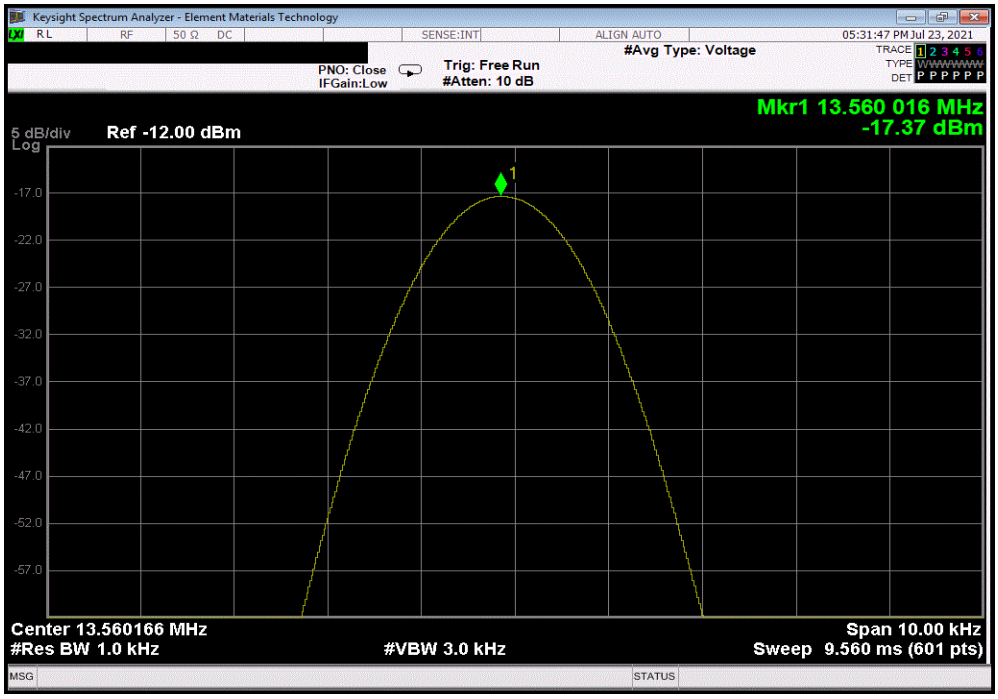
CrossSwitch Radio - Antenna 2, Normal Voltage, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56003267	13.56003267	0	100	Pass



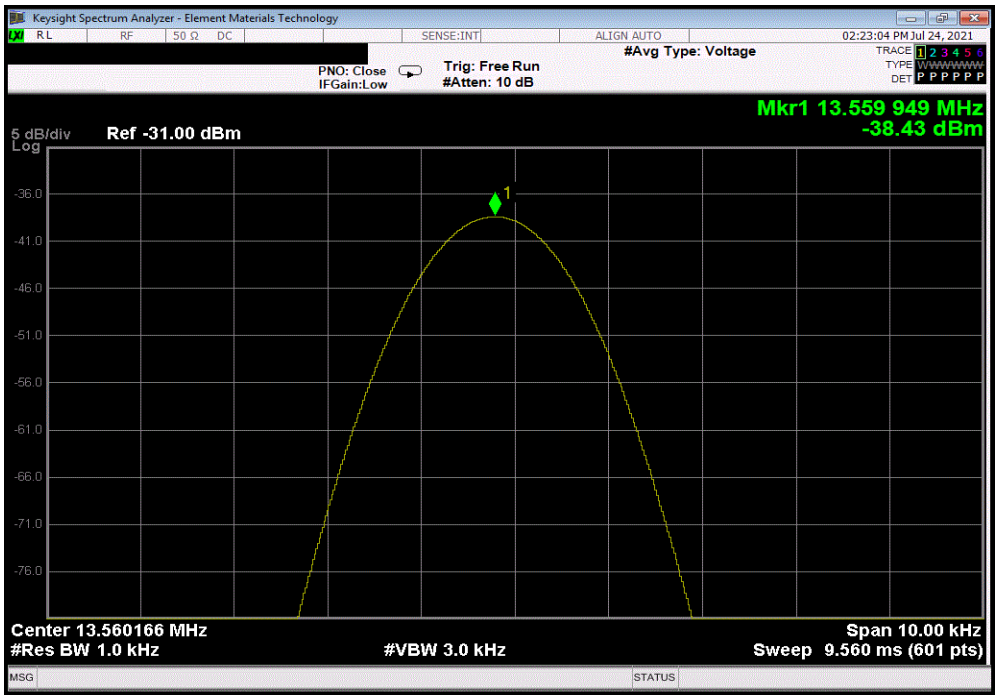
CrossSwitch Radio - Antenna 2, Extreme Voltage +15%, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56009967	13.56003267	4.9	100	Pass



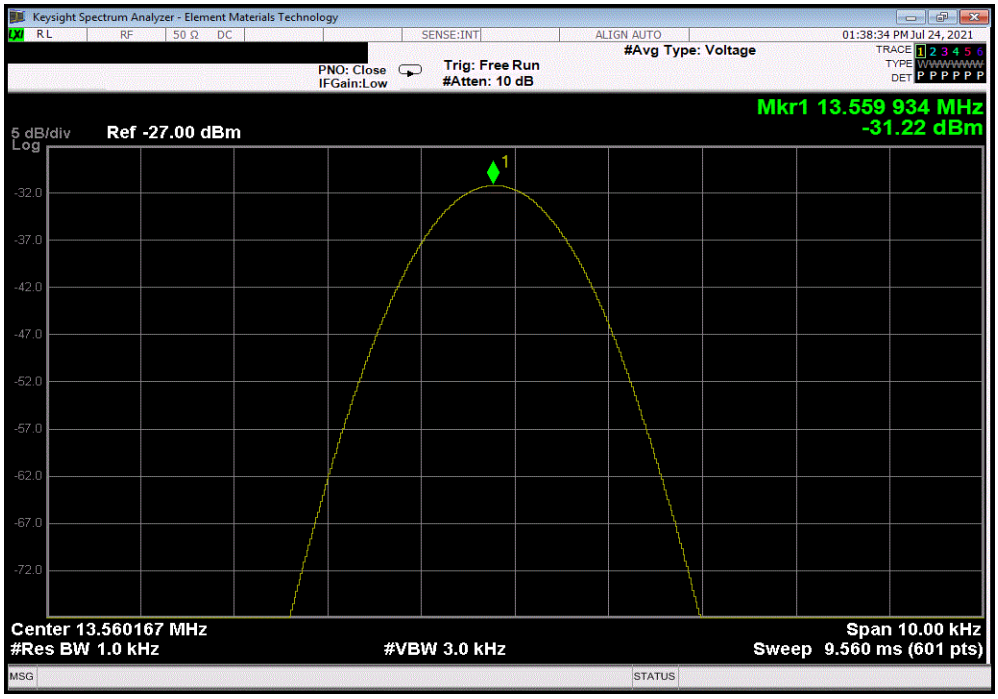
CrossSwitch Radio - Antenna 2, Extreme Voltage -15%, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.560016	13.56003267	1.2	100	Pass



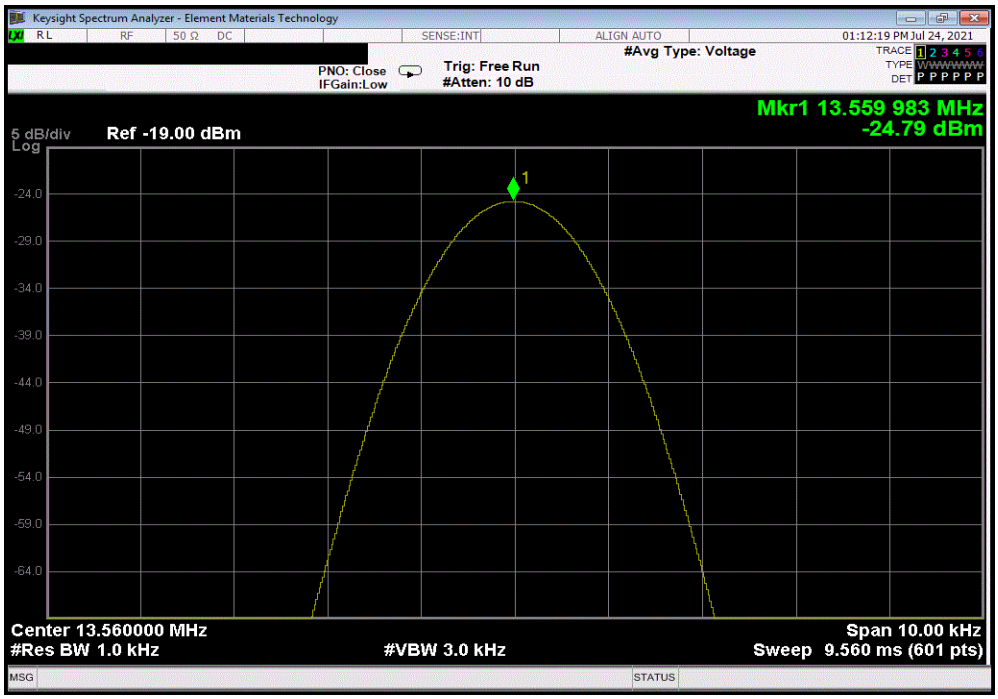
CrossSwitch Radio - Antenna 2, Extreme Temperature +50°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.55994933	13.56003267	6.1	100	Pass



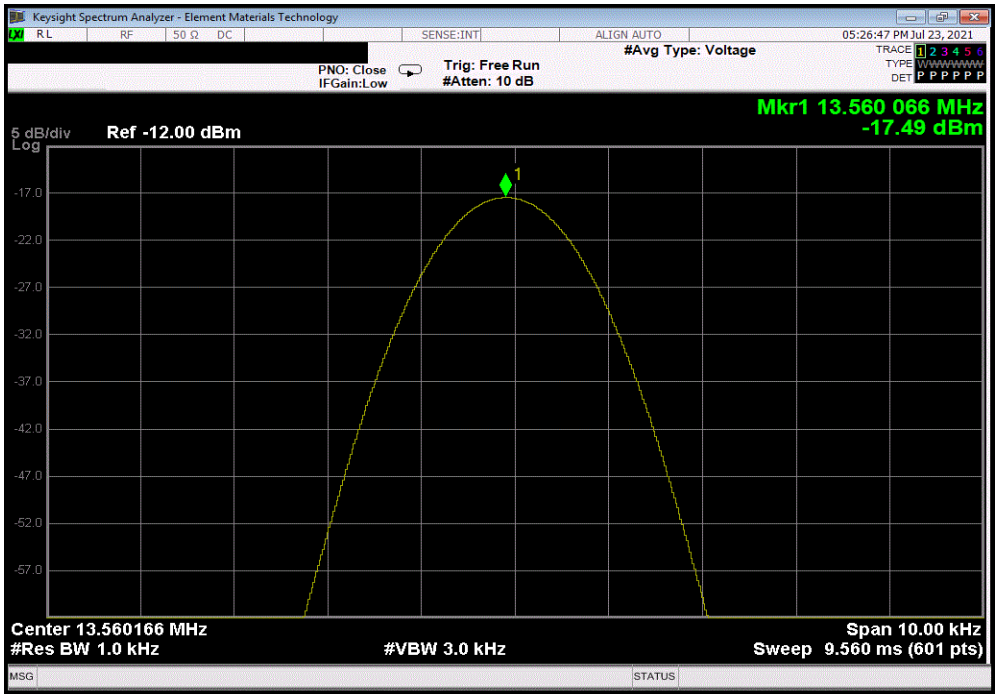
CrossSwitch Radio - Antenna 2, Extreme Temperature +40°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.55993367	13.56003267	7.3	100	Pass



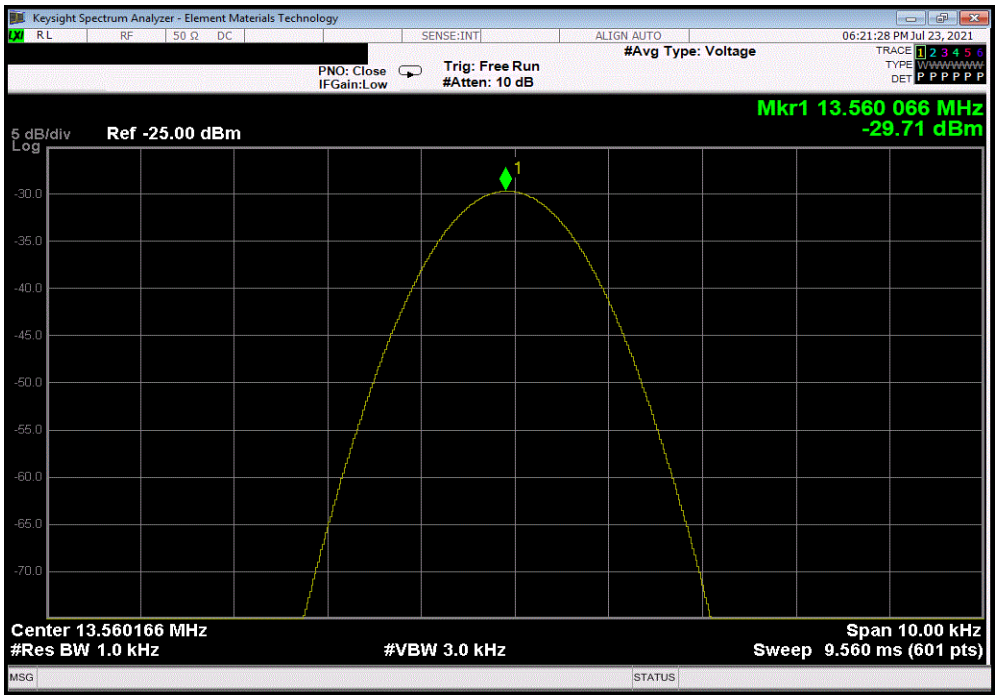
CrossSwitch Radio - Antenna 2, Extreme Temperature +30°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.55998333	13.56003267	3.6	100	Pass



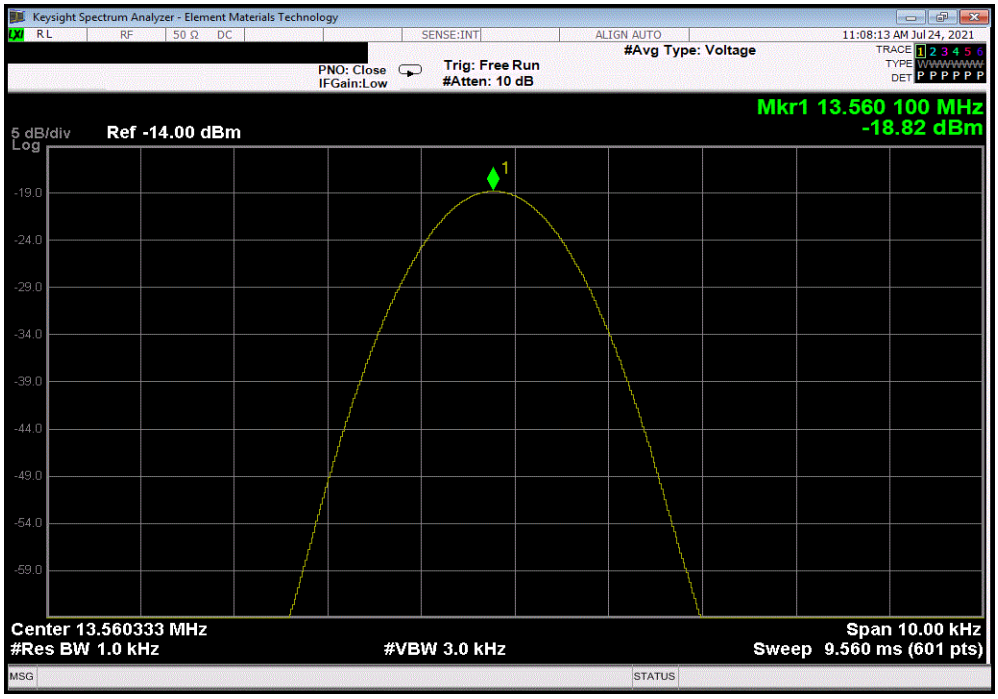
CrossSwitch Radio - Antenna 2, Extreme Temperature +20°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.560066	13.56003267	2.5	100	Pass



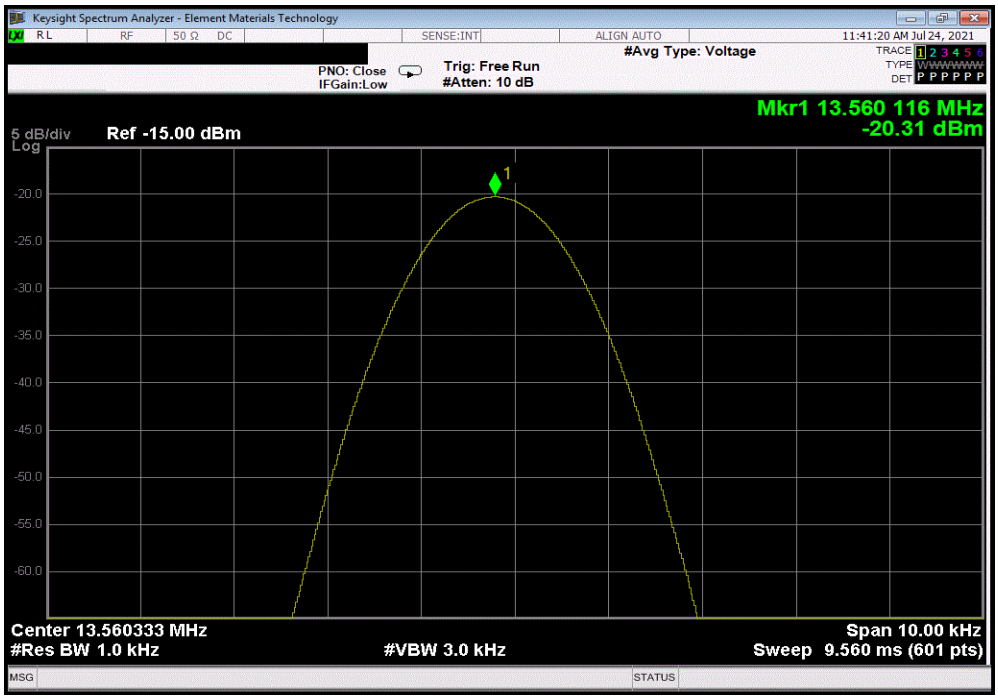
CrossSwitch Radio - Antenna 2, Extreme Temperature +10°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.560066	13.56003267	2.5	100	Pass



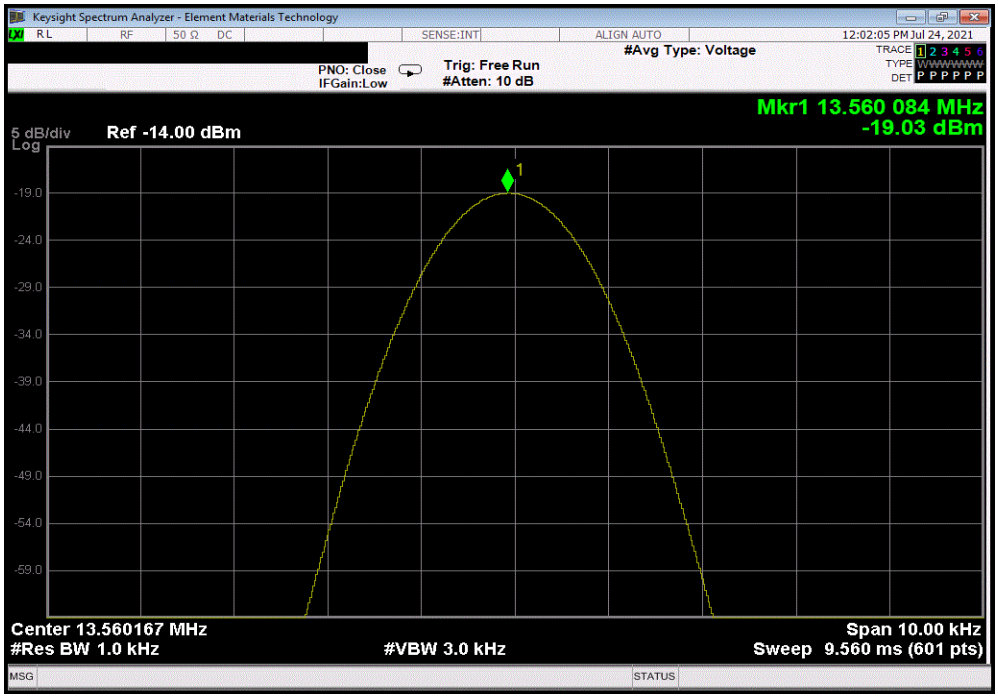
CrossSwitch Radio - Antenna 2, Extreme Temperature 0°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56009967	13.56003267	4.9	100	Pass



CrossSwitch Radio - Antenna 2, Extreme Temperature -10°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56011633	13.56003267	6.1	100	Pass



CrossSwitch Radio - Antenna 2, Extreme Temperature -20°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Assigned Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56008367	13.56003267	3.8	100	Pass



FREQUENCY STABILITY

element

TbtTx 2021.03.19.1 XMit 2020.12.30.0

EUT:	**GLP12409 SAL Alinity C End Section**			**Work Order:**	**ABBO0080**
Serial Number:	**ENG01-DVR**			**Date:**	**3-Sep-21**
Customer:	**Abbott Laboratories**			**Temperature:**	**24.7 °C**
Attendees:	**Don Mendell**			**Humidity:**	**48.7% RH**
Project:	**None**			**Barometric Pres.:**	**1014 mbar**
Tested by:	**Mark Baytan**	**Power:**	**220VAC/60Hz**	**Job Site:**	**TX03**

TEST SPECIFICATIONS	**Test Method**
FCC 15.225:2021	ANSI C63.10:2013

COMMENTS

Divergent Radio.

DEVIATIONS FROM TEST STANDARD

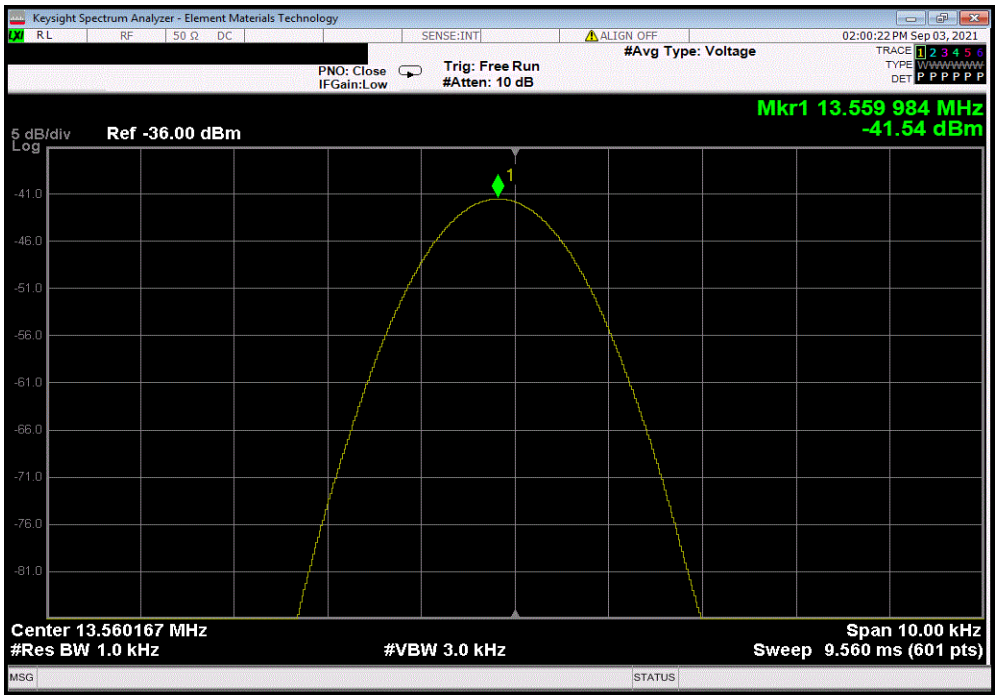
None

Configuration #	**2**	*Signature*

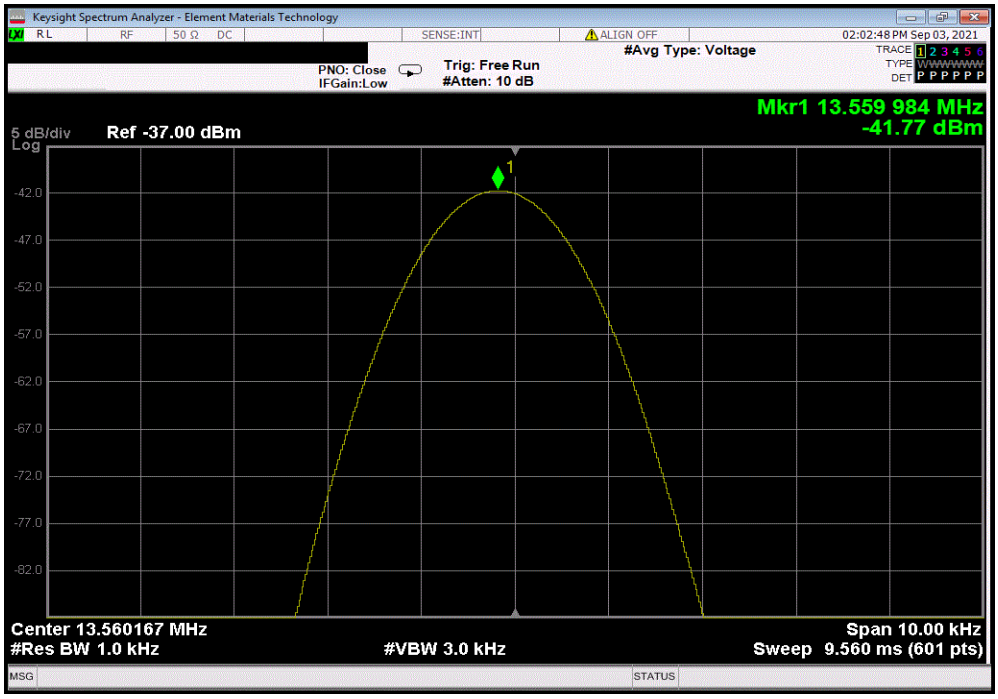
	Measured Value (MHz)	Nominal Value (MHz)	Error (ppm)	Limit (ppm)	Results
Normal Voltage					
Mid Channel, 13.56 MHz	13.55998367	13.55998367	0	100	Pass
Extreme Voltage +15%					
Mid Channel, 13.56 MHz	13.55998367	13.55998367	0	100	Pass
Extreme Voltage -15%					
Mid Channel, 13.56 MHz	13.559983	13.55998367	0	100	Pass
Extreme Temperature +50°C					
Mid Channel, 13.56 MHz	13.55989933	13.55998367	6.2	100	Pass
Extreme Temperature +40°C					
Mid Channel, 13.56 MHz	13.559933	13.55998367	3.7	100	Pass
Extreme Temperature +30°C					
Mid Channel, 13.56 MHz	13.559966	13.55998367	1.3	100	Pass
Extreme Temperature +20°C					
Mid Channel, 13.56 MHz	13.560016	13.55998367	2.4	100	Pass
Extreme Temperature +10°C					
Mid Channel, 13.56 MHz	13.56006633	13.55998367	6.1	100	Pass
Extreme Temperature 0°C					
Mid Channel, 13.56 MHz	13.56009967	13.55998367	8.6	100	Pass
Extreme Temperature -10°C					
Mid Channel, 13.56 MHz	13.560116	13.55998367	9.8	100	Pass
Extreme Temperature -20°C					
Mid Channel, 13.56 MHz	13.56011633	13.55998367	9.8	100	Pass

FREQUENCY STABILITY

Normal Voltage, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Nominal Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.55998367	13.55998367	0	100	Pass

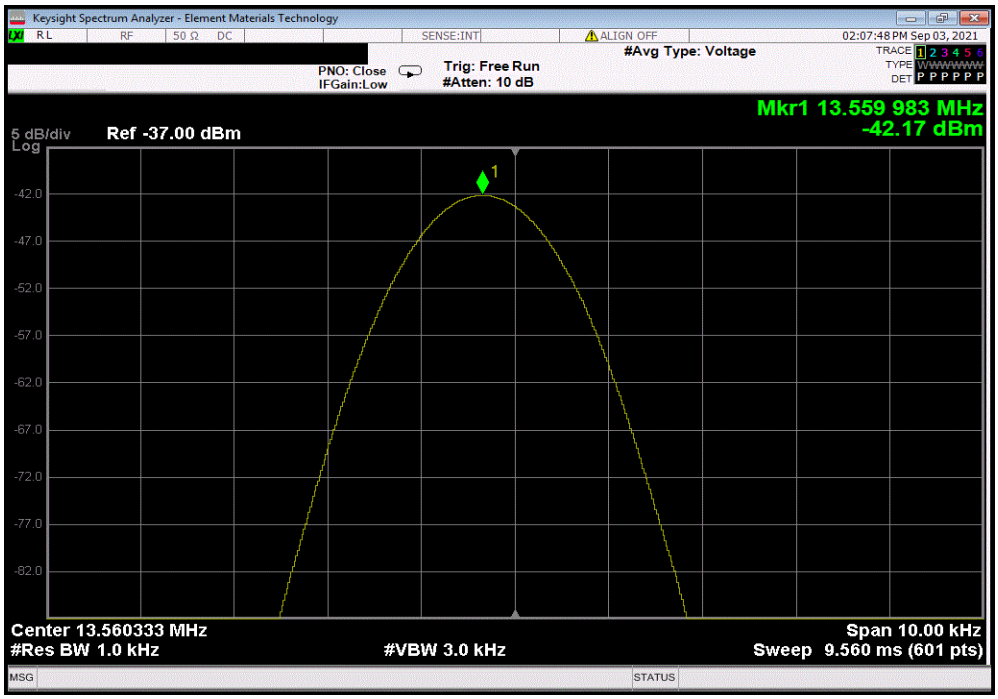


Extreme Voltage +15%, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Nominal Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.55998367	13.55998367	0	100	Pass

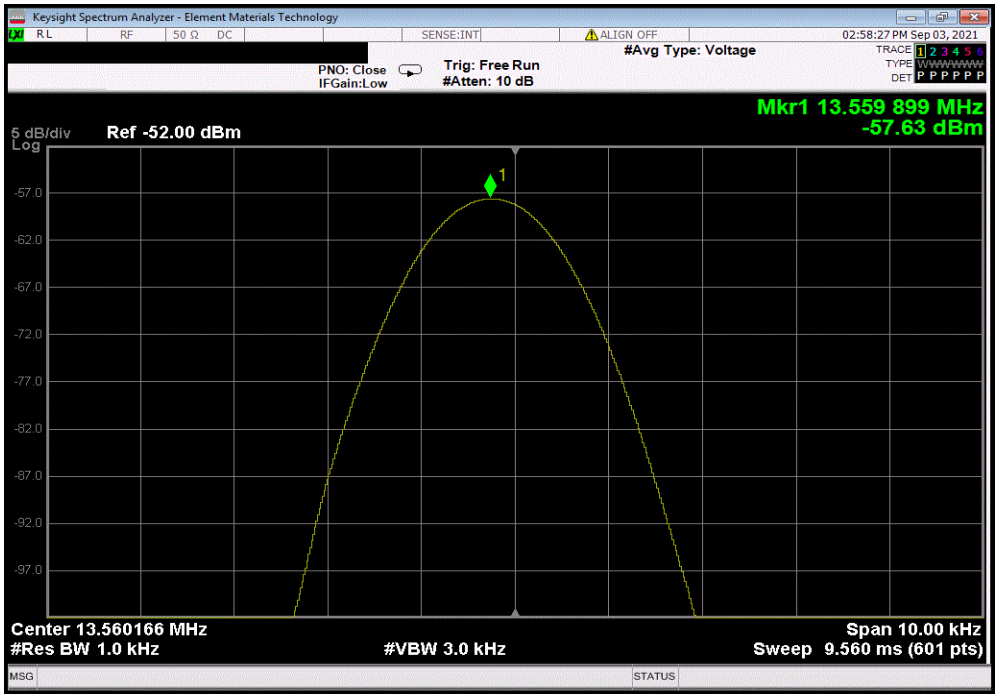


FREQUENCY STABILITY

Extreme Voltage -15%, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Nominal Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.559983	13.55998367	0	100	Pass

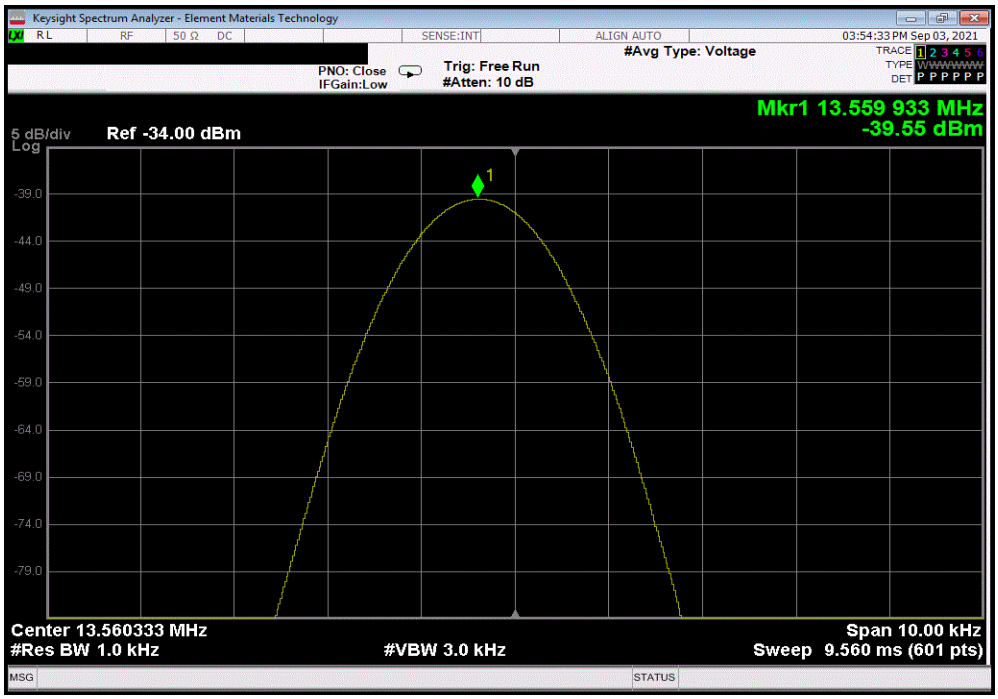


Extreme Temperature +50°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Nominal Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.55989933	13.55998367	6.2	100	Pass

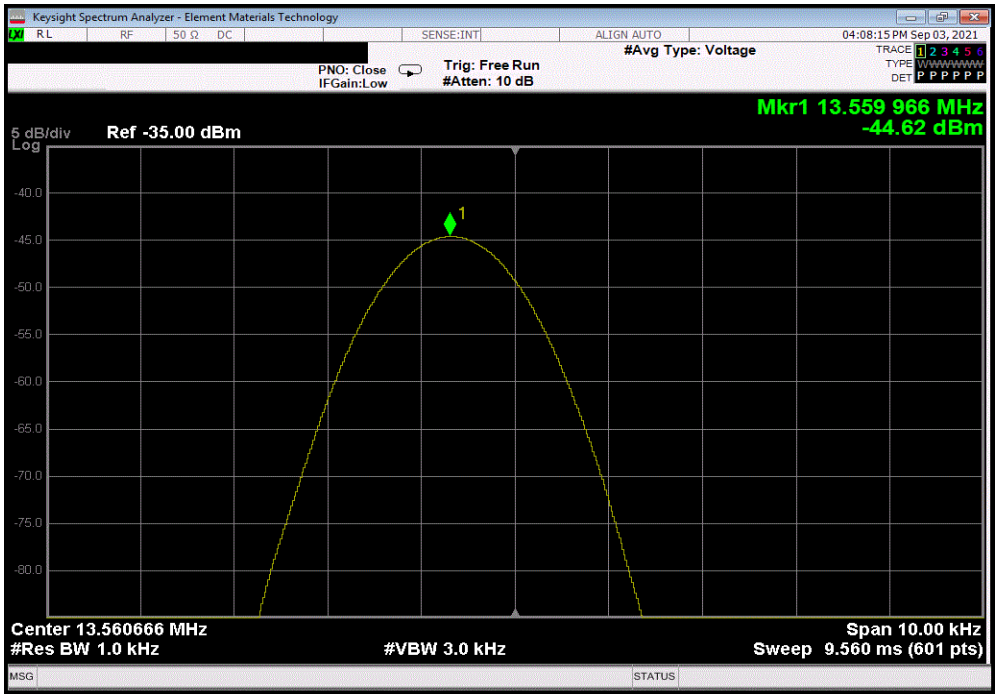


FREQUENCY STABILITY

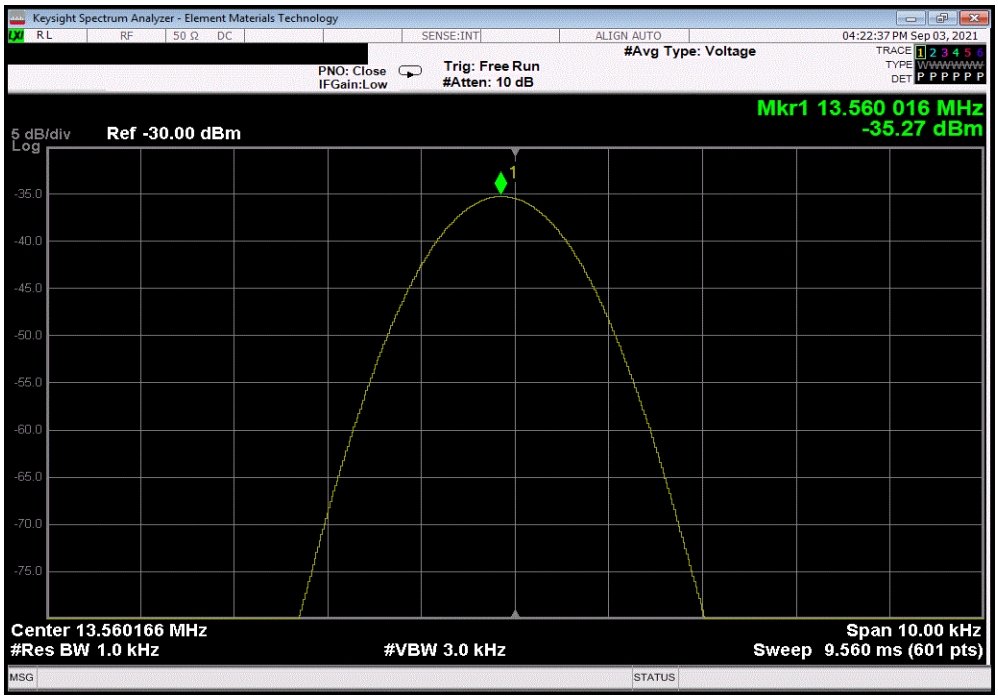
Extreme Temperature +40°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Nominal Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.559933	13.55998367	3.7	100	Pass



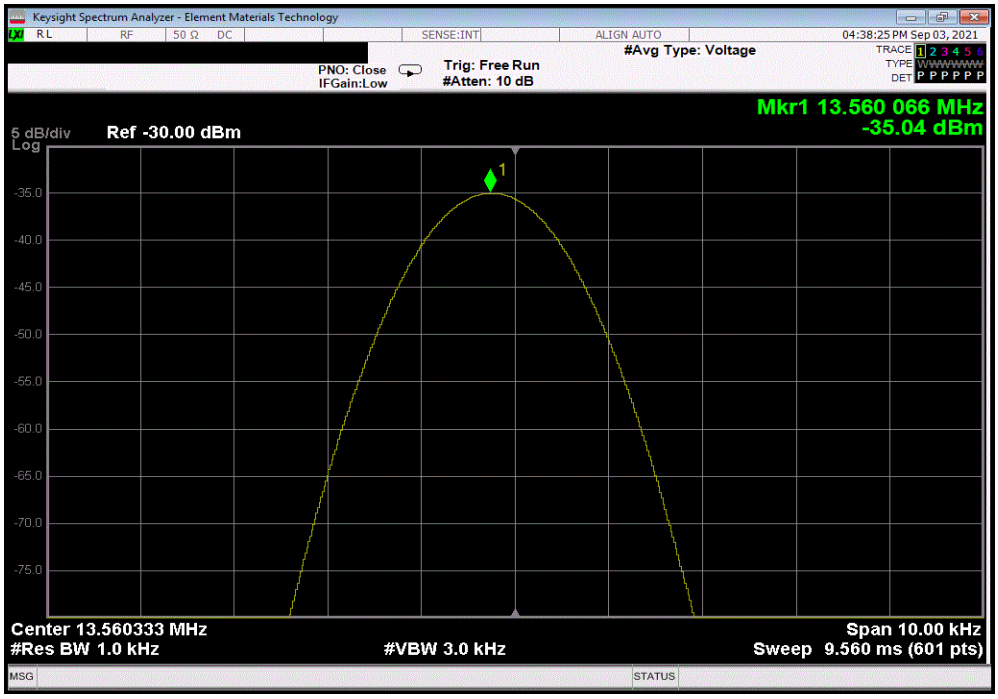
Extreme Temperature +30°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Nominal Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.559966	13.55998367	1.3	100	Pass



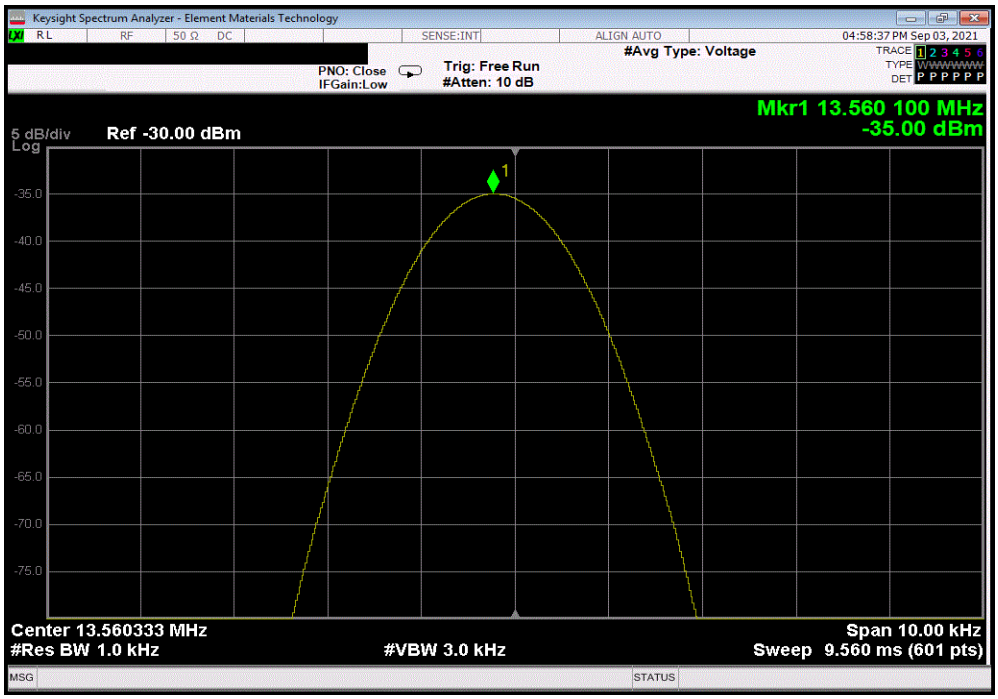
Extreme Temperature +20°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Nominal Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.560016	13.55998367	2.4	100	Pass



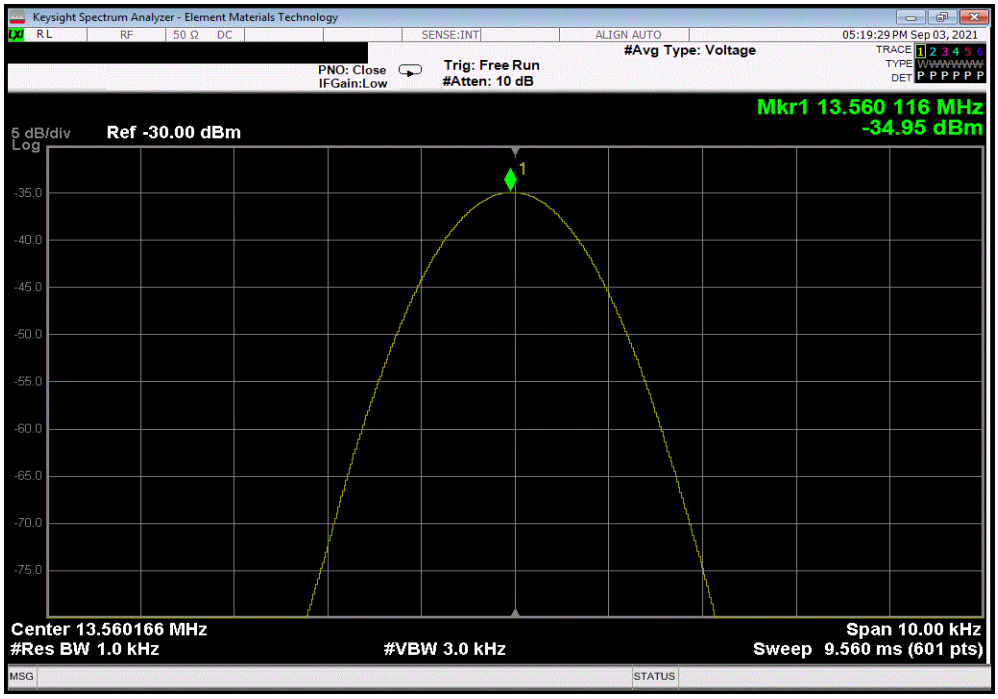
Extreme Temperature +10°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Nominal Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56006633	13.55998367	6.1	100	Pass



Extreme Temperature 0°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Nominal Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56009967	13.55998367	8.6	100	Pass

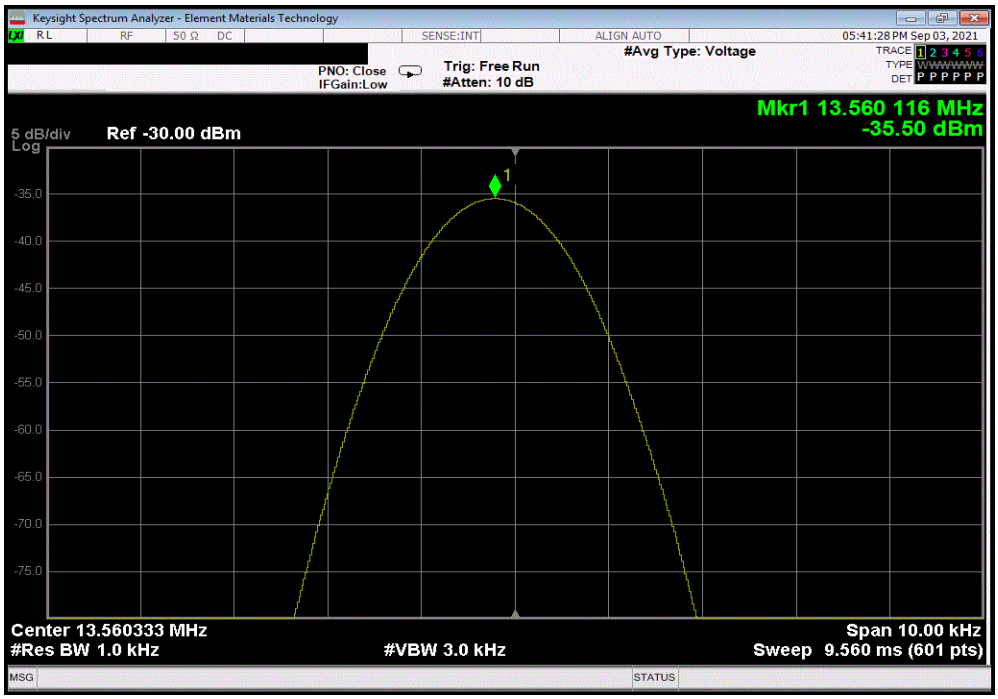


Extreme Temperature -10°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Nominal Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.560116	13.55998367	9.8	100	Pass



FREQUENCY STABILITY

Extreme Temperature -20°C, Mid Channel, 13.56 MHz						
		Measured Value (MHz)	Nominal Value (MHz)	Error (ppm)	Limit (ppm)	Results
		13.56011633	13.55998367	9.8	100	Pass



OCCUPIED BANDWIDTH

XMit 2020.12.30.0

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Probe - Near Field Set	Com-Power	PS-400	IPX	NCR	NCR
Cable	UtiFlex Micro-Coax	UFD1150A-1-0720-200200	TXJ	2020-09-22	2021-09-22
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFN	2021-01-06	2022-01-06

TEST DESCRIPTION

As defined in FCC 15.215 Part (c), intentional radiators must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise by specified in the specific rule section under which the equipment operates, is contained within the frequency band designed in the rule section under which the equipment is operated.

The 20 dB bandwidth must be contained within the band 13.110-14.010 MHz.

The emissions bandwidth was measured with the EUT configured for continuous modulated operation.

The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.

The resolution bandwidth (RBW) of the spectrum analyzer was set to the range of 1% to 5% of the occupied bandwidth (OBW) and video bandwidth (VBW) bandwidth was set to at least 3 times the resolution bandwidth. The analyzer sweep time was set to auto to prevent video filtering or averaging. A sample detector was used unless the device was not able to be operated in a continuous transmit mode, in which case a peak detector was used.

The spectrum analyzer occupied bandwidth measurement function was used to find the emissions bandwidth.

OCCUPIED BANDWIDTH

TbtTx 2021.03.19.1 XMit 2020.12.30.0

EUT:	**GLP12409 SAL Alinity C End Section**			**Work Order:**	**ABBO0080**
Serial Number:	**ENG02-AP**			**Date:**	**24-Jul-21**
Customer:	**Abbott Laboratories**			**Temperature:**	**25 °C**
Attendees:	**Don Mendell**			**Humidity:**	**48.4% RH**
Project:	**None**			**Barometric Pres.:**	**1019 mbar**
Tested by:	**Mark Baytan**	**Power:**	**220VAC/60Hz**	**Job Site:**	**TX05**

TEST SPECIFICATIONS	**Test Method**
FCC 15.225:2021	ANSI C63.10:2013

COMMENTS

AccessPoint Radio. Emissions bandwidth taken with a 26 dB bandwidth. This is worst case as compared with the 20 dB bandwidth called out in FCC 15.215.

DEVIATIONS FROM TEST STANDARD

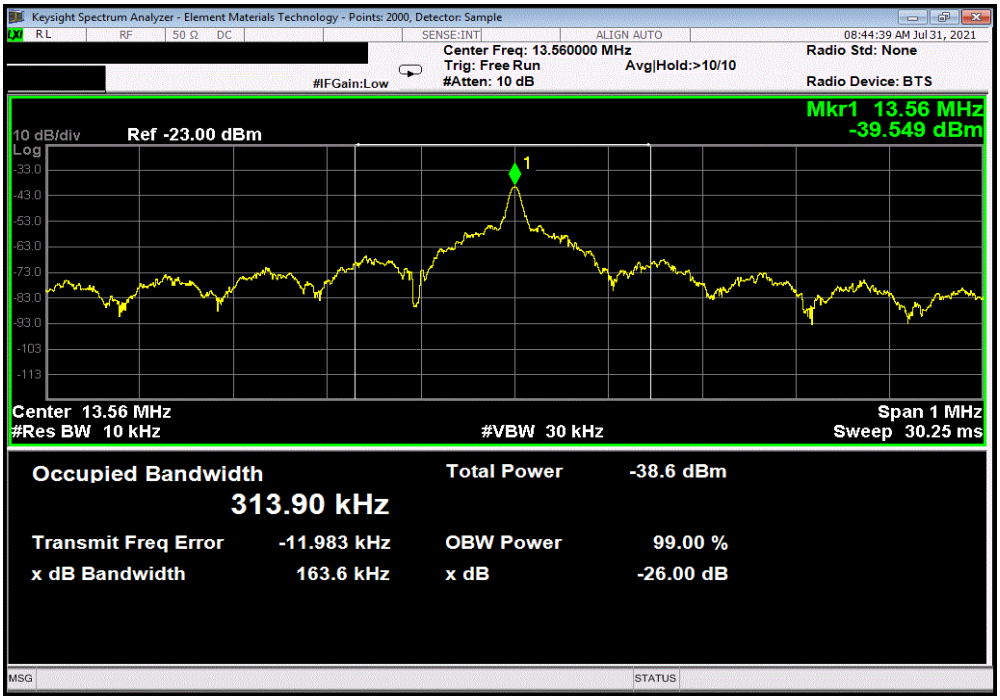
None

Configuration #	**2**	*Signature*

		Value	**Limit** 13.110 MHz ≥ BW ≤ 14.010 MHz	**Result**
Normal Voltage				
Mid Channel, 13.56 MHz		163.60 kHz	Within	Pass

OCCUPIED BANDWIDTH

Normal Voltage, Mid Channel, 13.56 MHz						
				Value	Limit 13.110 MHz ≥ BW ≤ 14.010 MHz	Result
				163.60 kHz	Within	Pass



OCCUPIED BANDWIDTH

TbtTx 2021.03.19.1 XMit 2020.12.30.0

EUT:	GLP12409 SAL Alinity C End Section			**Work Order:**	ABBO0080
Serial Number:	ENG05-CS			**Date:**	24-Jul-21
Customer:	Abbott Laboratories			**Temperature:**	25 °C
Attendees:	Don Mendell			**Humidity:**	48.4% RH
Project:	None			**Barometric Pres.:**	1019 mbar
Tested by:	Mark Baytan	**Power:**	220VAC/60Hz	**Job Site:**	TX05

TEST SPECIFICATIONS	Test Method
FCC 15.225:2021	ANSI C63.10:2013

COMMENTS

CrossSwitch Radio/Convergent Radio. Both radios are electrically identical and share the same PCB: 20005732, therefore, the data presented accounts for both radios. Emissions bandwidth taken with a 26 dB bandwidth. This is worst case as compared with the 20 dB bandwidth called out in FCC 15.215.

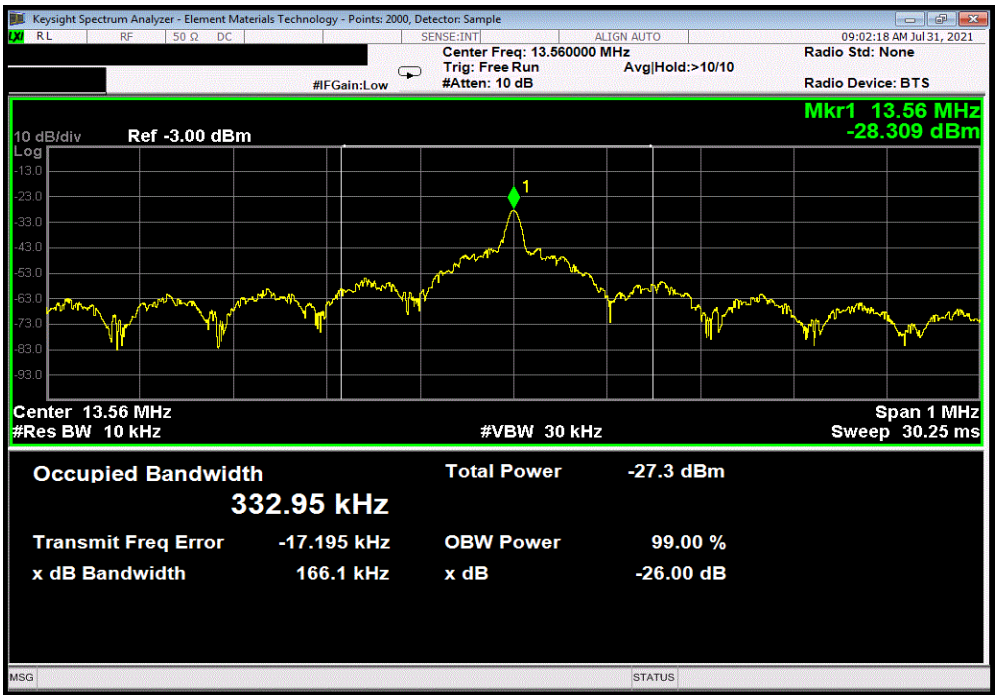
DEVIATIONS FROM TEST STANDARD

None

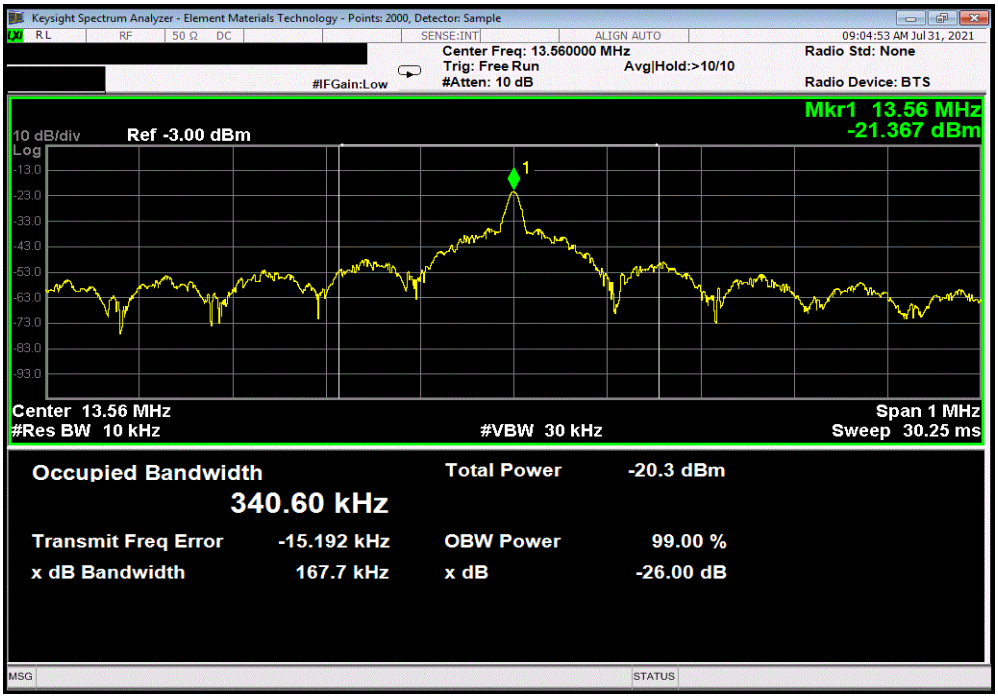
Configuration #	2	Signature

		Value	Limit 13.110 MHz ≥ BW ≤ 14.010 MHz	Result
CrossSwitch Radio - Antenna 1				
	Normal Voltage			
	Mid Channel, 13.56 MHz	166.1 kHz	Within	Pass
CrossSwitch Radio - Antenna 2				
	Normal Voltage			
	Mid Channel, 13.56 MHz	167.7 kHz	Within	Pass

CrossSwitch Radio - Antenna 1, Normal Voltage, Mid Channel, 13.56 MHz						
				Value	Limit 13.110 MHz ≥ BW ≤ 14.010 MHz	Result
				166.1 kHz	Within	Pass



CrossSwitch Radio - Antenna 2, Normal Voltage, Mid Channel, 13.56 MHz						
				Value	Limit 13.110 MHz ≥ BW ≤ 14.010 MHz	Result
				167.7 kHz	Within	Pass



OCCUPIED BANDWIDTH

TbtTx 2021.03.19.1 XMit 2020.12.30.0

EUT:	**GLP12409 SAL Alinity C End Section**			**Work Order:**	**ABBO0080**
Serial Number:	**ENG01-DVR**			**Date:**	**2-Sep-21**
Customer:	**Abbott Laboratories**			**Temperature:**	**25 °C**
Attendees:	**Don Mendell**			**Humidity:**	**48.4% RH**
Project:	**None**			**Barometric Pres.:**	**1019 mbar**
Tested by:	**Mark Baytan**	**Power:**	**220VAC/60Hz**	**Job Site:**	**TX05**

TEST SPECIFICATIONS	**Test Method**
FCC 15.225:2021	ANSI C63.10:2013

COMMENTS

Divergent Radio. Emissions bandwidth taken with a 26 dB bandwidth. This is worst case as compared with the 20 dB bandwidth called out in FCC 15.215.

DEVIATIONS FROM TEST STANDARD

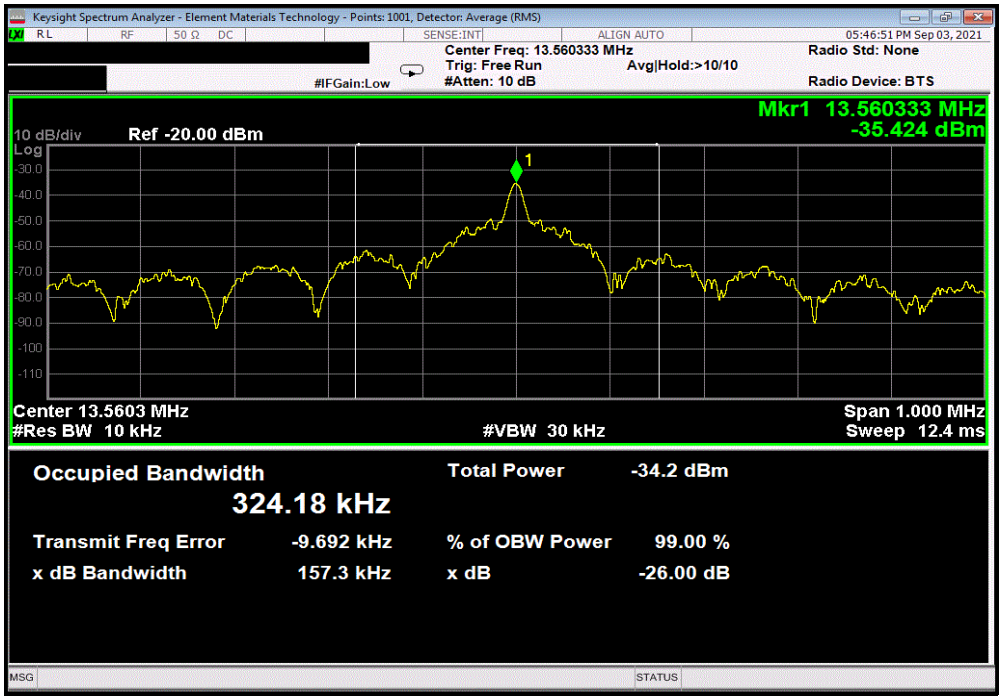
None

Configuration #	**2**	*Signature*

	Value	**Limit 13.110 MHz ≥ BW ≤ 14.010 MHz**	**Result**
Normal Voltage			
Mid Channel, 13.56 MHz	157.3 kHz	Within	Pass

OCCUPIED BANDWIDTH

Normal Voltage, Mid Channel, 13.56 MHz						
				Value	Limit 13.110 MHz ≥ BW ≤ 14.010 MHz	Result
				157.3 kHz	Within	Pass



End of Test Report