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CERTIFICATION TEST REPORT

Manufacturer: PCTEL, Inc
471 Brighton Drive
Bloomington, Illinois 60108-3102 USA

Applicant: Same as Above

Product Name: Remote Access Point

Product Description: Rugged 802.11ac Access Point

**Operating Voltage/Freq.
of EUT During Testing:** 120V/60 Hz; POE 48VDC

Model: AP-WIFI-1200-US

FCC ID: NYPWIFIAP1200

Testing Commenced: 2021-10-12

Testing Ended: 2022-03-29

Summary of Test Results: In Compliance

The EUT complies with the EMC requirements when manufactured identically as the unit tested in this report, including any required modifications. Any changes to the design or build of this unit subsequent to this testing may deem it non-compliant.

Rule(s):

- **FCC Part 15 Subpart E – Unlicensed National Information Infrastructure Devices, Section 15.407 General technical requirements**



Evaluation Conducted by:

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Report Reviewed by:

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1 ADMINISTRATIVE INFORMATION

1.1 Measurement Location:

F2 Labs in Middlefield, Ohio. Site description and attenuation data are on file with the FCC's Sampling and Measurement Branch at the FCC Laboratory in Columbia, MD.

1.2 Measurement Procedure:

All measurements were performed according to ANSI C63.10:2013 and recommended FCC measurement procedures under Section 15.407 and in KDB789033 v02r01. A list of the measurement equipment can be found in Section 6.

1.3 Uncertainty Budget:

The uncertainty in EMC measurements arises from several factors which affect the results, some associated with environmental conditions in the measurement room, the test equipment being used, and the measurement techniques adopted.

The measurement uncertainty budgets detailed below are calculated from the test and calibration data and are expressed with a 95% confidence factor using a coverage factor of $k=2$. The Uncertainty for a laboratory are referred to as U_{lab} . For Radiated and Conducted Emissions, the Expanded Uncertainty is compared to the U_{cispr} values to determine if a specific margin is required to deem compliance.

U_{lab}

Measurement Range	Combined Uncertainty	Expanded Uncertainty
Radiated Emissions <1 GHz @ 3m	2.54	5.07dB
Radiated Emissions <1 GHz @ 10m	2.55	5.09dB
Radiated Emissions 1 GHz to 2.7 GHz	1.81	3.62dB
Radiated Emissions 2.7 GHz to 18 GHz	1.55	3.10dB
AC Power Line Conducted Emissions, 150kHz to 30 MHz	1.38	2.76dB
AC Power Line Conducted Emissions, 9kHz to 150kHz	1.66	3.32dB

U_{cispr}

Measurement Range	Expanded Uncertainty
Radiated Emissions <1 GHz @ 3m	5.2dB
Radiated Emissions <1 GHz @ 10m	5.2dB
Radiated Emissions 1 GHz to 2.7 GHz	Under Consideration
Radiated Emissions 2.7 GHz to 18 GHz	Under Consideration
AC Power Line Conducted Emissions, 150kHz to 30 MHz	3.6dB
AC Power Line Conducted Emissions, 9kHz to 150kHz	4.0dB

If U_{lab} is less than or equal to U_{cispr} , then:

- compliance is deemed to occur if no measured disturbance exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance exceeds the disturbance limit.

If U_{lab} is greater than U_{cispr} in table 1, then:

- compliance is deemed to occur if no measured disturbance, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit.

Note: Only measurements listed in the tables above that relate to tests included in this Test Report are applicable.



1.4 Document History

Document Number	Description	Issue Date	Approved By
F2P19923A-12E	First Issue	2022-03-29	K. Littell

**2 SUMMARY OF TEST RESULTS**

Note: Results below apply to Straddle Channels for OFDM, HT20, HT40 & HT80.

Test Name	Standard(s)	Results
Occupied Bandwidth	CFR 47 Part 15.407(e) / Part 15.209 / KDB789033	Complies
Output Power	CFR 47 Part 15.407(a)(1)(iv) / Part 15.407(a)(3) / KDB789033	Complies
Power Spectral Density	CFR 47 Part 15.407(a)(1)(iv) / Part 15.407(a)(3) / KDB789033	Complies
Radiated Spurious Emissions	CFR 47 Part 15.205 / KDB789033	Complies
Conducted Spurious Emissions	CFR 47 Part 15.407(b)(1,4)	Complies
Voltage Variations (Frequency Stability)	CFR 47 Part 15.31(e)	*

**Not required in test report per KDB 789033 Sec II A 3.*

Modifications Made to the Equipment
None

**3 TABLES OF MEASURED RESULTS**

OCCUPIED BANDWIDTH UNII 2C				
Channel	Frequency (MHz)	Power Setting	-26dB (MHz)	Limit
Modulation: OFDM				
High	5720	15	15.868	> 500kHz
Modulation: HT20				
High	5720	15	16.829	> 500kHz
Modulation: HT40				
High	5710	17	36.26	> 500kHz
Modulation: HT80				
High	5690	17	29.0	> 500kHz

OCCUPIED BANDWIDTH UNII 3				
Channel	Frequency (MHz)	Power Setting	-6dB (MHz)	Limit
Modulation: OFDM				
High	5720	20	3.315	> 500kHz
Modulation: HT20				
High	5720	20	3.940	> 500kHz
Modulation : HT40				
High	5710	17	3.383	> 500kHz
Modulation : HT 80				
High	5690	17	3.165	> 500kHz



RF OUTPUT POWER UNII 2C Port 1 (Non-Beamforming Mode)

Modulation: OFDM

Channel Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
	mW	dBm	mW	dBm	mW	dBm	E.I.R.P. (mW)	E.I.R.P. (dBm)
High 5720 (16)	29.85	14.75	199.5	23	149.62	21.75	1000	30

Modulation: HT20

Channel Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
	mW	dBm	mW	dBm	mW	dBm	E.I.R.P. (mW)	E.I.R.P. (dBm)
High 5720 (15)	28.97	14.62	199.5	23	145.2	21.62	1000	30

Modulation: HT40

Channel Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
	mW	dBm	mW	dBm	mW	dBm	E.I.R.P. (mW)	E.I.R.P. (dBm)
High 5710 (17)	37.58	15.75	199.5	23	188.4	22.75	1000	30

Modulation: HT80

Channel Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
	mW	dBm	mW	dBm	mW	dBm	E.I.R.P. (mW)	E.I.R.P. (dBm)
High 5690 (17)	36.81	15.66	199.5	23	180.3	22.66	1000	30

**RF OUTPUT POWER UNII 2C Port 2 (Non-Beamforming Mode)****Modulation: OFDM**

Channel	Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
		mW	dBm	mW	dBm	mW	dBm	E.I.R.P (mW)	E.I.R.P (dBm)
High	5720 (16)	26.7	14.26	199.5	23	133.7	21.26	1000	30

Modulation: HT20

Channel	Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
		mW	dBm	mW	dBm	mW	dBm	E.I.R.P (mW)	E.I.R.P (dBm)
High	5720 (15)	26.0	14.16	199.5	23	130.6	21.16	1000	30

Modulation: HT40

Channel	Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
		mW	dBm	mW	dBm	mW	dBm	E.I.R.P (mW)	E.I.R.P (dBm)
High	5710 (17)	33.81	15.29	199.5	23	169.4	22.29	1000	30

Modulation: HT80

Channel	Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
		mW	dBm	mW	dBm	mW	dBm	E.I.R.P (mW)	E.I.R.P (dBm)
High	5690 (17)	33.19	15.21	199.5	23	166.4	22.21	1000	30

**RF OUTPUT POWER UNII 2C Port 1 (Reduced for Beamforming Mode)**

Modulation: OFDM								
Channel Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
	mW	dBm	mW	dBm	mW	dBm	E.I.R.P (mW)	E.I.R.P (dBm)
High 5720 (14)	21.68	13.36	199.5	23	108.64	20.36	1000	30
Modulation: HT20								
Channel Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
	mW	dBm	mW	dBm	mW	dBm	E.I.R.P (mW)	E.I.R.P (dBm)
High 5720 (14)	24.04	13.81	199.5	23	120.50	20.81	1000	30

RF OUTPUT POWER UNII 2C Port 2 (Reduced for Beamforming Mode)

Modulation: OFDM								
Channel Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
	mW	dBm	mW	dBm	mW	dBm	E.I.R.P (mW)	E.I.R.P (dBm)
High 5720 (14)	24.49	13.89	199.5	23	122.74	20.89	1000	30
Modulation: HT20								
Channel Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
	mW	dBm	mW	dBm	mW	dBm	E.I.R.P (mW)	E.I.R.P (dBm)
High 5720 (14)	23.6	13.73	199.5	23	118.30	20.73	1000	30



RF OUTPUT POWER UNII 2C SUMMING PORT 1 AND PORT 2 (Beamforming)										
Modulation: OFDM										
Frequency (MHz) / Power Setting	Measure and Sum (Summing port 1 and port 2)				Limit		E.I.R.P. (including 3dB aggregate gain)		Limit	
	Port 1 mW	Port 2 mW	Summed mW	Summed dBm	mW	dBm	mW	dBm	mW	dBm
5720	21.68	24.49	46.17	16.64	100	20	461.31	26.64	1000	30
Modulation: HT20										
Frequency (MHz) / Power Setting	Measure and Sum (Summing port 1 and port 2)				Limit		E.I.R.P. (including 3dB aggregate gain)		Limit	
	Port 1 mW	Port 2 mW	Summed mW	Summed dBm	mW	dBm	mW	dBm	mW	dBm
5720	24.04	23.60	47.64	16.78	100	20	476.43	26.78	1000	30
Modulation: HT40										
Frequency (MHz) / Power Setting	Measure and Sum (Summing port 1 and port 2)				Limit		E.I.R.P. (including 3dB aggregate gain)		Limit	
	Port 1 mW	Port 2 mW	Summed mW	Summed dBm	mW	dBm	mW	dBm	mW	dBm
5710	37.58	33.81	71.39	18.53	100	20	712.85	28.53	1000	30
Modulation: HT80										
Frequency (MHz) / Power Setting	Measure and Sum (Summing port 1 and port 2)				Limit		E.I.R.P. (including 3dB aggregate gain)		Limit	
	Port 1 mW	Port 2 mW	Summed mW	Summed dBm	mW	dBm	mW	dBm	mW	dBm
5690	36.81	33.19	70.00	18.45	100	20	699.84	28.45	1000	30

**RF OUTPUT POWER UNII 3 Port 1 (Non-Beamforming Mode)****Modulation: OFDM**

Channel Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
	mW	dBm	mW	dBm	mW	dBm	E.I.R.P. (mW)	E.I.R.P. (dBm)
High 5720 (16)	6.75	8.29	794	29	33.8	15.29	3162	35

Modulation: HT20

Channel Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
	mW	dBm	mW	dBm	mW	dBm	E.I.R.P. (mW)	E.I.R.P. (dBm)
High 5720 (15)	7.71	8.87	794	29	38.6	15.87	3162	35

Modulation: HT40

Channel Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
	mW	dBm	mW	dBm	mW	dBm	E.I.R.P. (mW)	E.I.R.P. (dBm)
High 5710 (17)	3.53	5.48	794	29	17.7	12.48	3162	35

Modulation: HT80

Channel Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
	mW	dBm	mW	dBm	mW	dBm	E.I.R.P. (mW)	E.I.R.P. (dBm)
High 5690 (17)	1.52	1.83	794	29	7.64	8.83	3162	35

**RF OUTPUT POWER UNII 3 Port 2 (Non-Beamforming Mode)****Modulation: OFDM**

Channel	Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
		mW	dBm	mW	dBm	mW	dBm	E.I.R.P (mW)	E.I.R.P (dBm)
High	5720 (16)	5.5	7.42	794	29	27.67	14.42	3162	35

Modulation: HT20

Channel	Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
		mW	dBm	mW	dBm	mW	dBm	E.I.R.P (mW)	E.I.R.P (dBm)
High	5720 (15)	6.62	8.21	794	29	33.19	15.21	3162	35

Modulation: HT40

Channel	Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
		mW	dBm	mW	dBm	mW	dBm	E.I.R.P (mW)	E.I.R.P (dBm)
High	5710 (17)	3.19	5.04	794	29	16.0	12.04	3162	35

Modulation: HT80

Channel	Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
		mW	dBm	mW	dBm	mW	dBm	E.I.R.P (mW)	E.I.R.P (dBm)
High	5690 (17)	1.43	1.54	794	29	7.14	8.54	3162	35

**RF OUTPUT POWER UNII 3 Port 1 (Reduced for Beamforming Mode)****Modulation: OFDM**

Channel Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
	mW	dBm	mW	dBm	mW	dBm	E.I.R.P. (mW)	E.I.R.P. (dBm)
High 5720 (14)	4.26	6.29	199.5	23	21.33	13.29	1000	30

Modulation: HT20

Channel Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
	mW	dBm	mW	dBm	mW	dBm	E.I.R.P. (mW)	E.I.R.P. (dBm)
High 5720 (14)	4.98	6.97	199.5	23	24.95	13.97	1000	30

RF OUTPUT POWER UNII 3 Port 2 (Reduced for Beamforming Mode)**Modulation: OFDM**

Channel Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
	mW	dBm	mW	dBm	mW	dBm	E.I.R.P. (mW)	E.I.R.P. (dBm)
High 5720 (14)	3.99	6.01	199.5	23	20.00	13.01	1000	30

Modulation: HT20

Channel Frequency (MHz) / Power Setting	Measured Power		Limit		E.I.R.P.		Limit	
	mW	dBm	mW	dBm	mW	dBm	E.I.R.P. (mW)	E.I.R.P. (dBm)
High 5720 (14)	4.61	6.64	199.5	23	23.12	13.64	1000	30



RF OUTPUT POWER UNII 3 SUMMING PORT 1 AND PORT 2 (Beamforming)										
Modulation: OFDM										
Frequency (MHz) / Power Setting	Measure and Sum (Summing port 1 and port 2)				Limit		E.I.R.P. (including 3dB aggregate gain)		Limit	
	Port 1 mW	Port 2 mW	Summed mW	Summed dBm	mW	dBm	mW	dBm	mW	dBm
5720	4.26	3.99	8.25	9.16	100	20	82.41	19.16	1000	30
Modulation: HT20										
Frequency (MHz) / Power Setting	Measure and Sum (Summing port 1 and port 2)				Limit		E.I.R.P. (including 3dB aggregate gain)		Limit	
	Port 1 mW	Port 2 mW	Summed mW	Summed dBm	mW	dBm	mW	dBm	mW	dBm
5720	4.98	4.61	9.59	9.82	100	20	95.94	19.82	1000	30
Modulation: HT40										
Frequency (MHz) / Power Setting	Measure and Sum (Summing port 1 and port 2)				Limit		E.I.R.P. (including 3dB aggregate gain)		Limit	
	Port 1 mW	Port 2 mW	Summed mW	Summed dBm	mW	dBm	mW	dBm	mW	dBm
5710 (15)	3.53	3.19	6.72	8.27	100	20	67.14	18.27	1000	30
Modulation: HT80										
Frequency (MHz) / Power Setting	Measure and Sum (Summing port 1 and port 2)				Limit		E.I.R.P. (including 3dB aggregate gain)		Limit	
	Port 1 mW	Port 2 mW	Summed mW	Summed dBm	mW	dBm	mW	dBm	mW	dBm
5690 (15)	1.52	1.43	2.95	4.69	100	20	29.44	14.69	1000	30



POWER SPECTRAL DENSITY UNII 2C- Port 1 (Non-Beamforming Mode)			
Channel	Frequency (MHz)	Measured PSD (dbm)	Limit (dbm)
Modulation: OFDM			
High	5720	4.79	10
Modulation: HT20			
High	5720	4.48	10
Modulation : HT40			
High	5710	2.02	10
Modulation HT80			
High	5690	-1.59	10
POWER SPECTRAL DENSITY UNII 2C- Port 2 (Non-Beamforming Mode)			
Channel	Frequency (MHz)	Measured PSD (dbm)	Limit (dbm)
Modulation: OFDM			
High	5720	4.27	10
Modulation: HT20			
High	5720	3.94	10
Modulation: HT40			
High	5710	1.50	10
Modulation: HT80			
High	5690	-2.64	10
POWER SPECTRAL DENSITY UNII 2C- Port 1 (Beamforming Mode)			
Channel	Frequency (MHz)	Measured PSD (dbm)	Limit (dbm)
Modulation: OFDM			
High	5720	3.33	10
Modulation: HT20			
High	5720	3.48	10
Modulation : HT40			
High	5710	2.02	10
Modulation HT80			
High	5690	-1.59	10
POWER SPECTRAL DENSITY UNII 2C- Port 2 (Beamforming Mode)			
Channel	Frequency (MHz)	Measured PSD (dbm)	Limit (dbm)
Modulation: OFDM			
High	5720	3.98	10
Modulation: HT20			
High	5720	3.47	10
Modulation: HT40			
High	5710	1.50	10
Modulation: HT80			
High	5690	-2.64	10



PSD UNII 2C SUMMING PORT 1 AND PORT 2 FOR BEAMFORMING MIMO							
Modulation: OFDM							
Frequency (MHz) / Power Setting	Measure and Sum (Summing port 1 and port 2)						Limit
	Port 1 dBm	Port 2 dBm	Port 1 mW	Port 2 mW	Summed mW	Summed dBm	7
	5720	3.33	3.98	2.15	2.50	4.65	
Modulation: HT20							
Frequency (MHz) / Power Setting	Measure and Sum (Summing port 1 and port 2)						Limit
	Port 1 dBm	Port 2 dBm	Port 1 mW	Port 2 mW	Summed mW	Summed dBm	7
	5720	3.48	3.47	2.22	2.22	4.44	
Modulation: HT40							
Frequency (MHz) / Power Setting	Measure and Sum (Summing port 1 and port 2)						Limit
	Port 1 dBm	Port 2 dBm	Port 1 mW	Port 2 mW	Summed mW	Summed dBm	7
	5710 (15)	2.02	1.50	1.59	1.41	3.00	
Modulation: HT80							
Frequency (MHz) / Power Setting	Measure and Sum (Summing port 1 and port 2)						Limit
	Port 1 dBm	Port 2 dBm	Port 1 mW	Port 2 mW	Summed mW	Summed dBm	7
	5690 (15)	-1.59	-2.64	0.69	0.54	1.23	



POWER SPECTRAL DENSITY UNII 3- Port 1 (Non-Beamforming Mode)			
Channel	Frequency (MHz)	Measured PSD (dbm)	Limit (dbm)
Modulation: OFDM			
High	5720	1.9	30
Modulation: HT20			
High	5720	1.87	30
Modulation: HT40			
High	5710	-0.92	30
Modulation: HT80			
High	5690	-4.13	30
POWER SPECTRAL DENSITY UNII 3- Port 2 (Non-Beamforming Mode)			
Channel	Frequency (MHz)	Measured PSD (dbm)	Limit (dbm)
Modulation: OFDM			
High	5720	0.91	30
Modulation: HT20			
High	5720	1.26	30
Modulation: HT40			
High	5710	-1.26	30
Modulation: HT80			
High	5690	-4.28	30

POWER SPECTRAL DENSITY UNII 3- Port 1 (Beamforming Mode)			
Channel	Frequency (MHz)	Measured PSD (dbm)	Limit (dbm)
Modulation: OFDM			
High	5720	0.08	30
Modulation: HT20			
High	5720	-0.68	30
Modulation: HT40			
High	5710	-0.92	30
Modulation: HT80			
High	5690	-4.13	30
POWER SPECTRAL DENSITY UNII 3- Port 2 (Beamforming Mode)			
Channel	Frequency (MHz)	Measured PSD (dbm)	Limit (dbm)
Modulation: OFDM			
High	5720	-0.24	30
Modulation: HT20			
High	5720	-0.66	30
Modulation: HT40			
High	5710	-1.26	30
Modulation: HT80			
High	5690	-4.28	30

**PSD UNII 3 SUMMING PORT 1 AND PORT 2 FOR BEAMFORMING MIMO**

Modulation: OFDM

Frequency (MHz) / Power Setting	Measure and Sum (Summing port 1 and port 2)						Limit
	Port 1 dBm	Port 2 dBm	Port 1 mW	Port 2 mW	Summed mW	Summed dBm	26
5720	0.08	-0.24	1.01	0.95	1.96	2.92	

Modulation: HT20

Frequency (MHz) / Power Setting	Measure and Sum (Summing port 1 and port 2)						Limit
	Port 1 dBm	Port 2 dBm	Port 1 mW	Port 2 mW	Summed mW	Summed dBm	26
5720	-0.68	-0.66	0.86	0.86	1.72	2.36	

PSD UNII 3 SUMMING PORT 1 AND PORT 2 FOR BEAMFORMING MIMO

Modulation: HT40

Frequency (MHz) / Power Setting	Measure and Sum (Summing port 1 and port 2)						Limit
	Port 1 dBm	Port 2 dBm	Port 1 mW	Port 2 mW	Summed mW	Summed dBm	26
5710 / 15	-0.92	-1.26	0.81	0.75	1.56	1.93	

Modulation: HT80

Frequency (MHz) / Power Setting	Measure and Sum (Summing port 1 and port 2)						Limit
	Port 1 dBm	Port 2 dBm	Port 1 mW	Port 2 mW	Summed mW	Summed dBm	26
5690 / 15	-4.13	-4.28	0.70	0.4	1.10	0.41	



4 ENGINEERING STATEMENT

This report has been prepared on behalf of PCTEL, Inc to provide documentation for the testing described herein. This equipment has been tested and found to comply with Part 15.407 of the FCC Rules using ANSI C63.10 and KDB789033 standards. The test results found in this test report relate only to the items tested.

**5 EUT INFORMATION AND DATA****5.1 Equipment Under Test:**Product: **Rugged 802.11ac Access Point**

Model: AP-WIFI-1200-US

Serial No.: Proto 2

Software Version: Linux ver. 4.4.60, GCC ver.5.2.0

FCC ID: **NYPWIFIAP1200****5.2 Trade Name:****PCTEL, Inc****5.3 Power Supply:**

PoE Supply: PhiHong POE29U-1AT(PL)

5.4 Applicable Rules:

CFR 47, Part 15.407, subpart E

5.5 Equipment Category:

Radio Transmitter-UNII

5.6 Antenna:

External, Detachable 7dBi Dipole

5.7 Accessories:

Device	Manufacturer	Model Number	Serial Number
PoE Supply	PhiHong	POE29U-1AT(PL)	None Specified
TI Uart Interface	PCTel, Inc	None Specified	None Specified
Antenna	PCTel, Inc	BOA24006NM	None Specified
Laptop	Dell	Latitude E6430s	3ZQ24X1
Accessory Software/Version:		Procomm Plus v4.8, TI Smart Studio 7 v2.12.0	

5.8 Testing Algorithm:

The EUT was set up in a test mode to continuously transmit at selected Straddle Channels within the various UNII bands.

The EUT was powered by a client-supplied POE adaptor.

**6 LIST OF MEASUREMENT INSTRUMENTATION**

Equipment Type	Asset Number	Manufacturer	Model	Serial Number	Calibration Due Date
Shielded Chamber 2014	CL166-E	AlbatrossProjects	B83117-DF435-T261	US140023	2022-03-09
Temp/Hum. Recorder	CL232	Extech	445814	01	2022-03-04
Temp/Hum. Recorder	CL261	Extech	445814	04	2022-03-19
Spectrum Analyzer	CL138	Agilent Technologies	E4407B	US41192779	2021-12-16
Receiver	CL151	Rohde & Schwarz	ESU40	100319	2022-07-08
Receiver	CL204	Rohde & Schwarz	ESR7	101714	2022-07-07
Antenna, JB3 Combination	CL175	Sunol Sciences	JB3	A030315	2022-09-14
Horn Antenna	CL098	Emco	3115	9809-5580	2022-01-08
Horn Antenna	CL114	AH Systems, Inc.	SAS-572	237	2023-07-30
Pre-Amplifier	CL189	Com-Power	PAM-840A	461303	2022-09-09
Pre-Amplifier	CL153	Agilent	83006-69007	MY39500791	2022-02-12
Pre-Amplifier	CL250	Com-Power	PAM-118A	18040011	2022-07-07
Amplifier w/Monopole & 18" Loop	CL163-Loop	A.H. Systems, Inc.	EHA-52B	100	2022-09-14
Horn Antenna	CL188	Comm Power	AH - 640	091065	2023-07-29
Low Loss Cable Set	--	Pasternack	PE3C0666-252 / PE3C066-50CM	None Spec.	2023-10-12
Software:	Tile Version 3.4.B.3.		Software Verified: 2021-10-12		
Software:	EMC 32, Version 8.53.0		Software Verified: 2021-10-12; 2022-01-06 to 2022-01-07		



7 OCCUPIED BANDWIDTH

7.1 Requirements:

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the -26dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage.

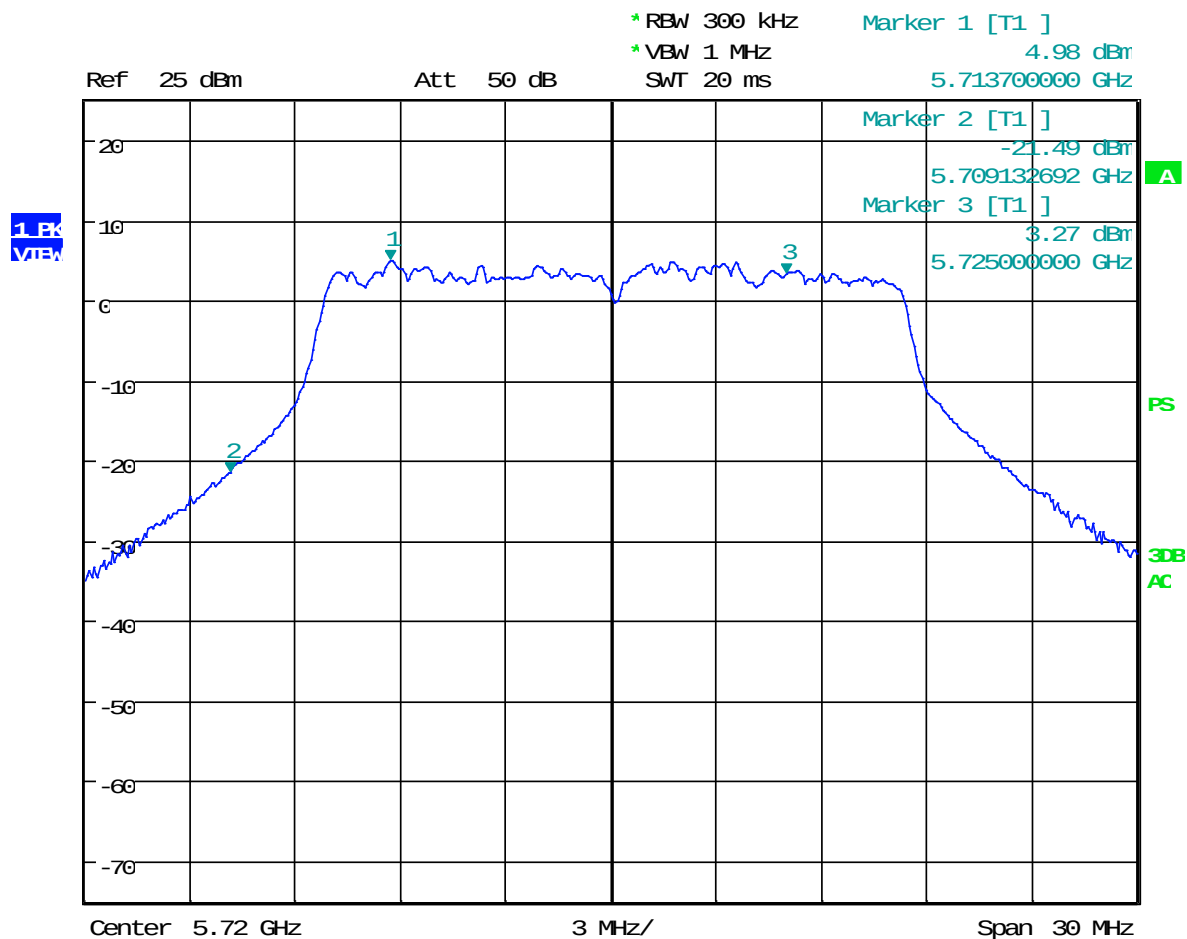
Bandwidth measurements were made at the Straddle Channels. The bandwidth was measured using the analyzer's marker function.



7.2 Occupied Bandwidth Test Data

Test Date(s):	2021-10-12	Test Engineer(s):	J. Chiller
Standards:	CFR 47 Part 15.215(c)	Air Temperature:	20.1°C
		Relative Humidity:	53%

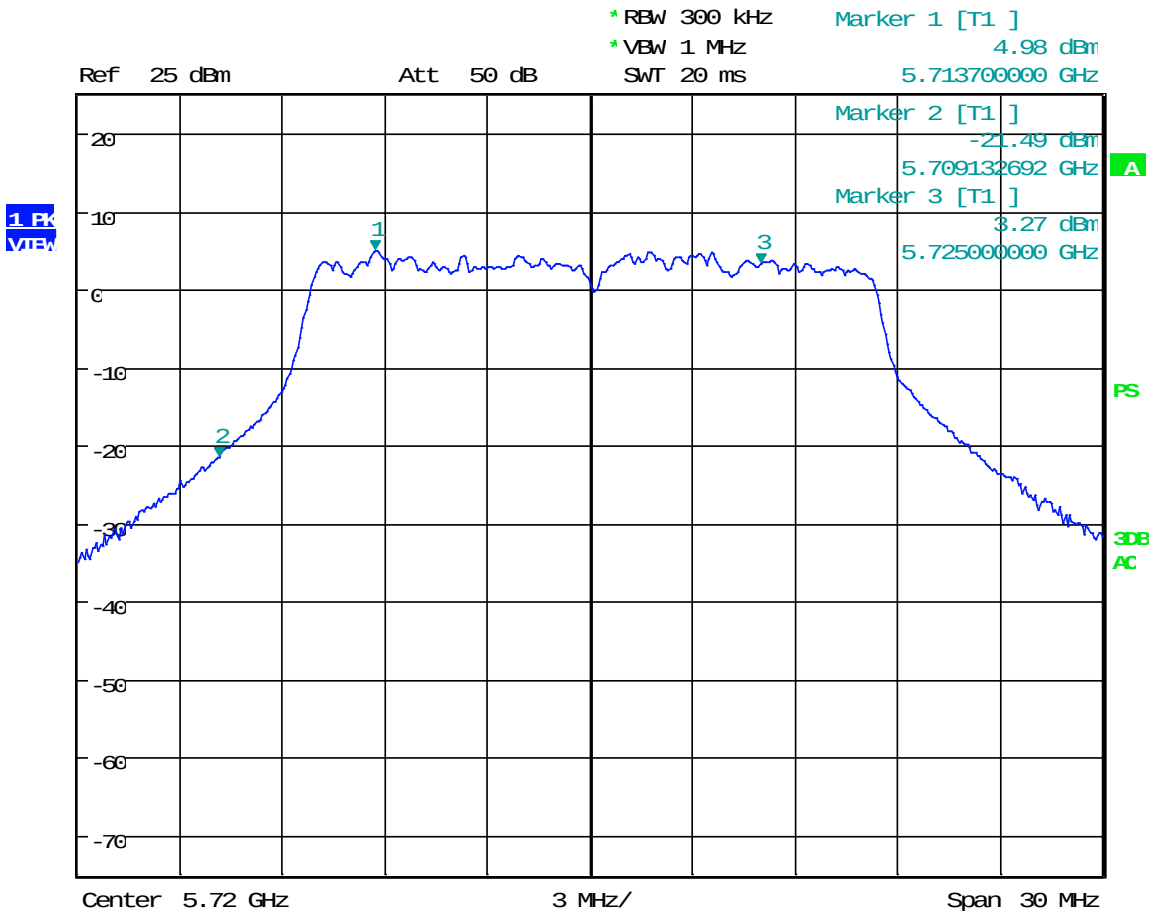
UNII 2C, OFDM:



Date: 12.OCT.2021 15:50:53



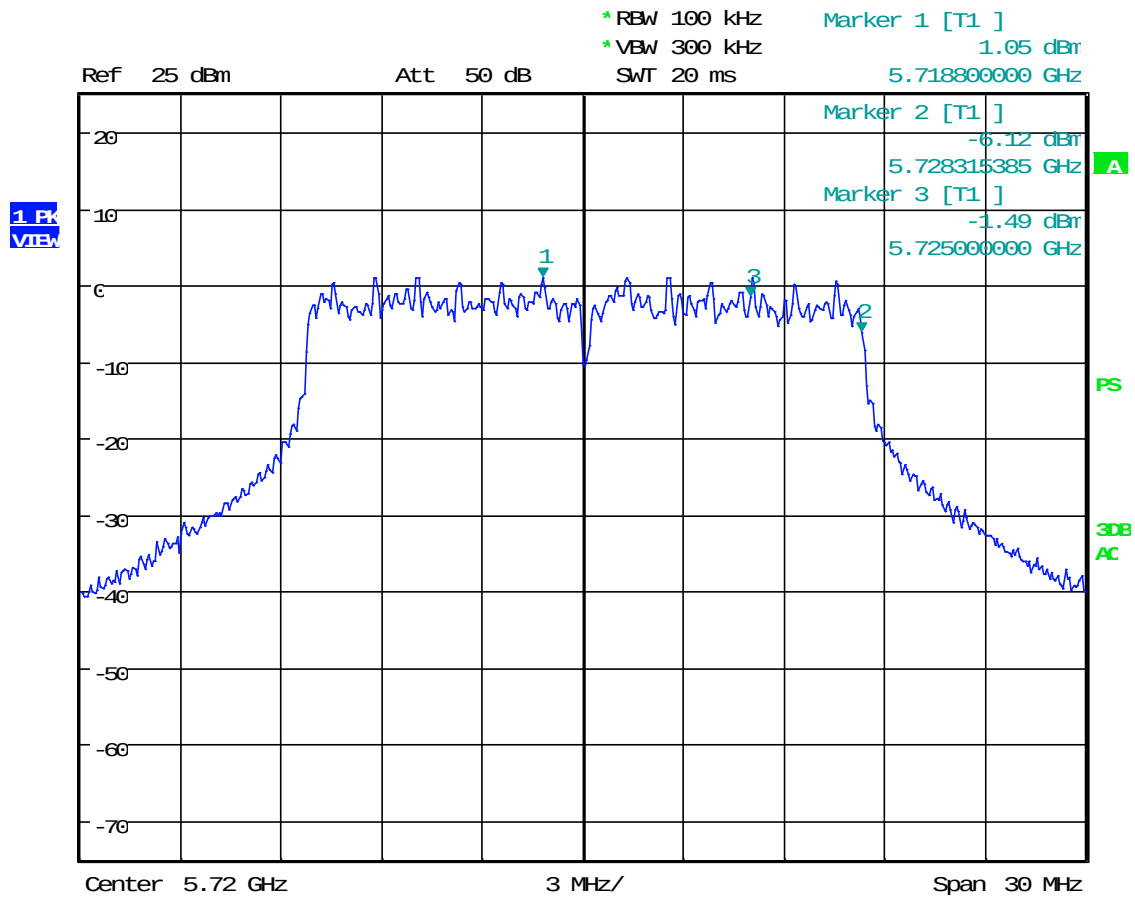
UNII 2C, HT20:



Date: 12.OCT.2021 15:50:53



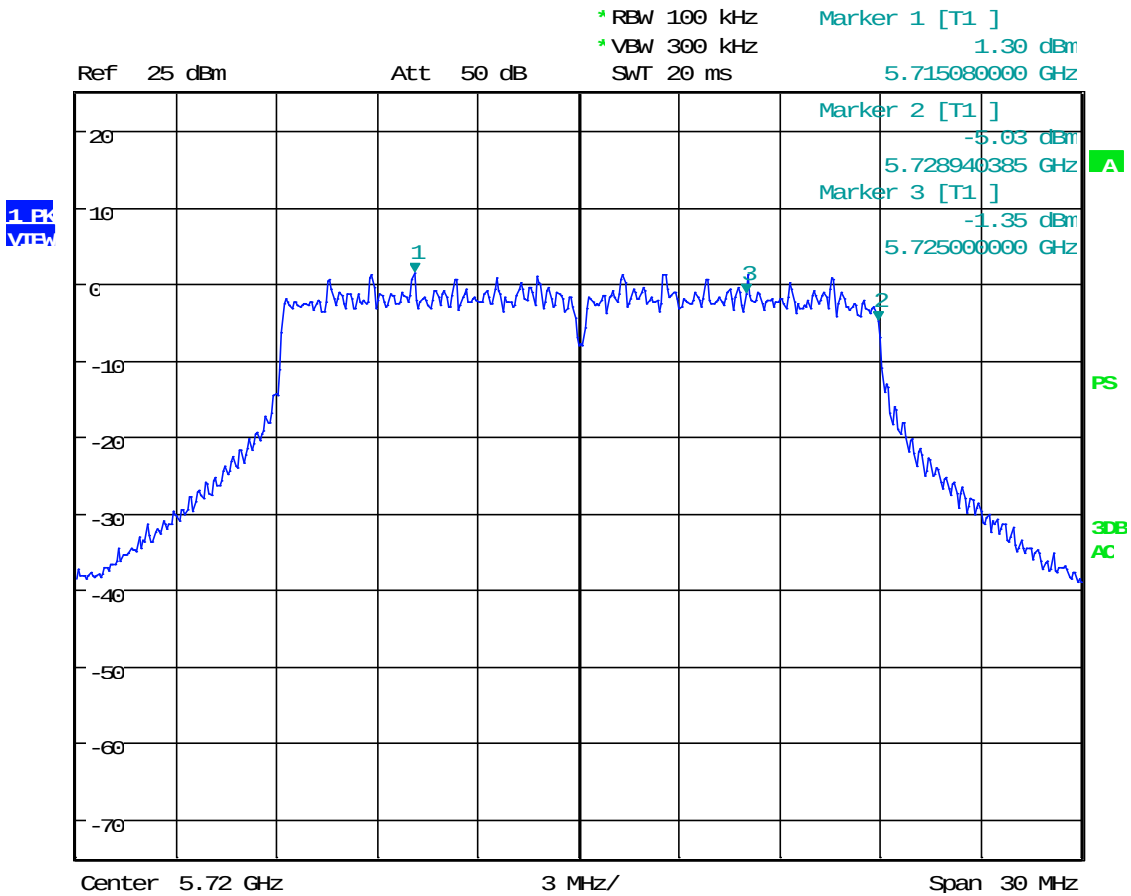
UNII 3, OFDM:



Date: 12.OCT.2021 15:48:57



UNII 3, HT20:



Date: 12.OCT.2021 15:47:12

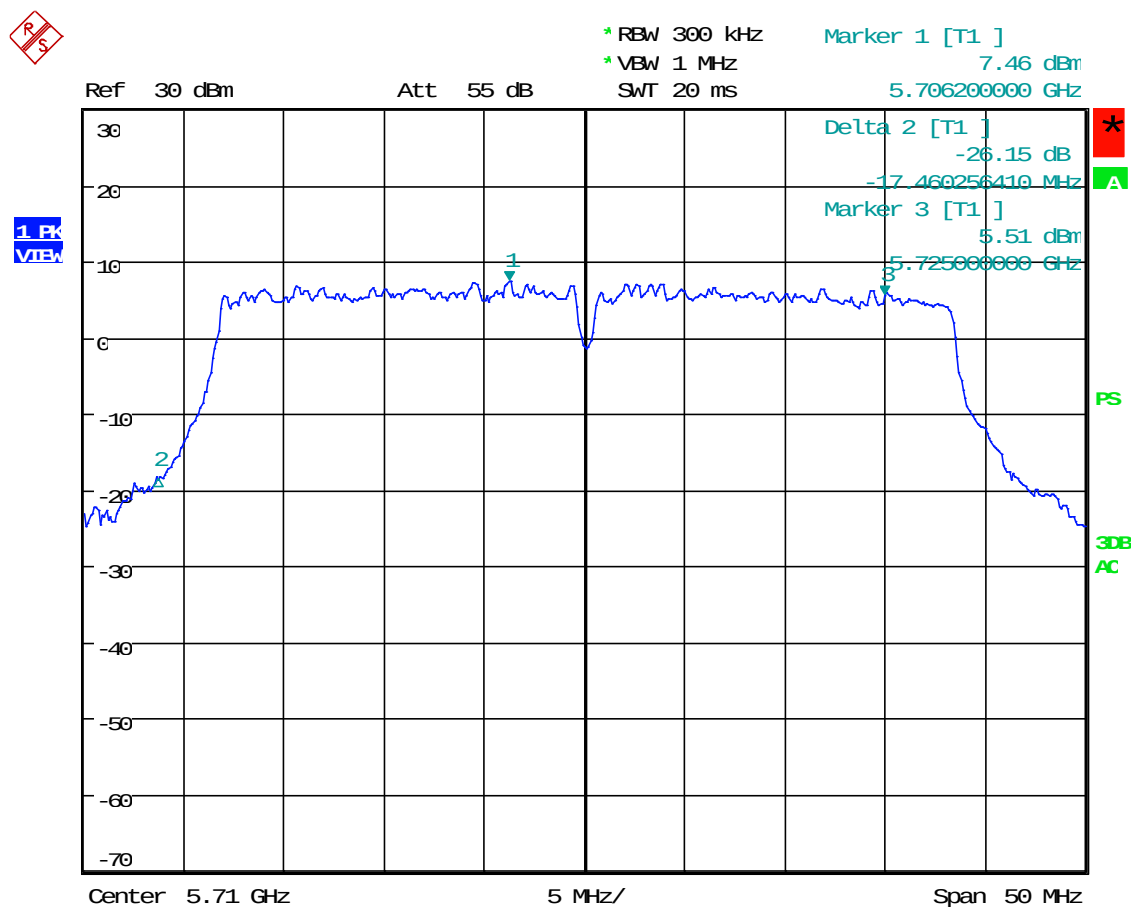


Order Number: F2P19923A

Applicant: PCTEL, Inc
FCC ID: NYPWIFIAP1200

Test Date(s):	2022-01-05	Test Engineer(s):	J. Chiller
Standards:	CFR 47 Part 15.215(c)	Air Temperature:	20.4°C
		Relative Humidity:	30%

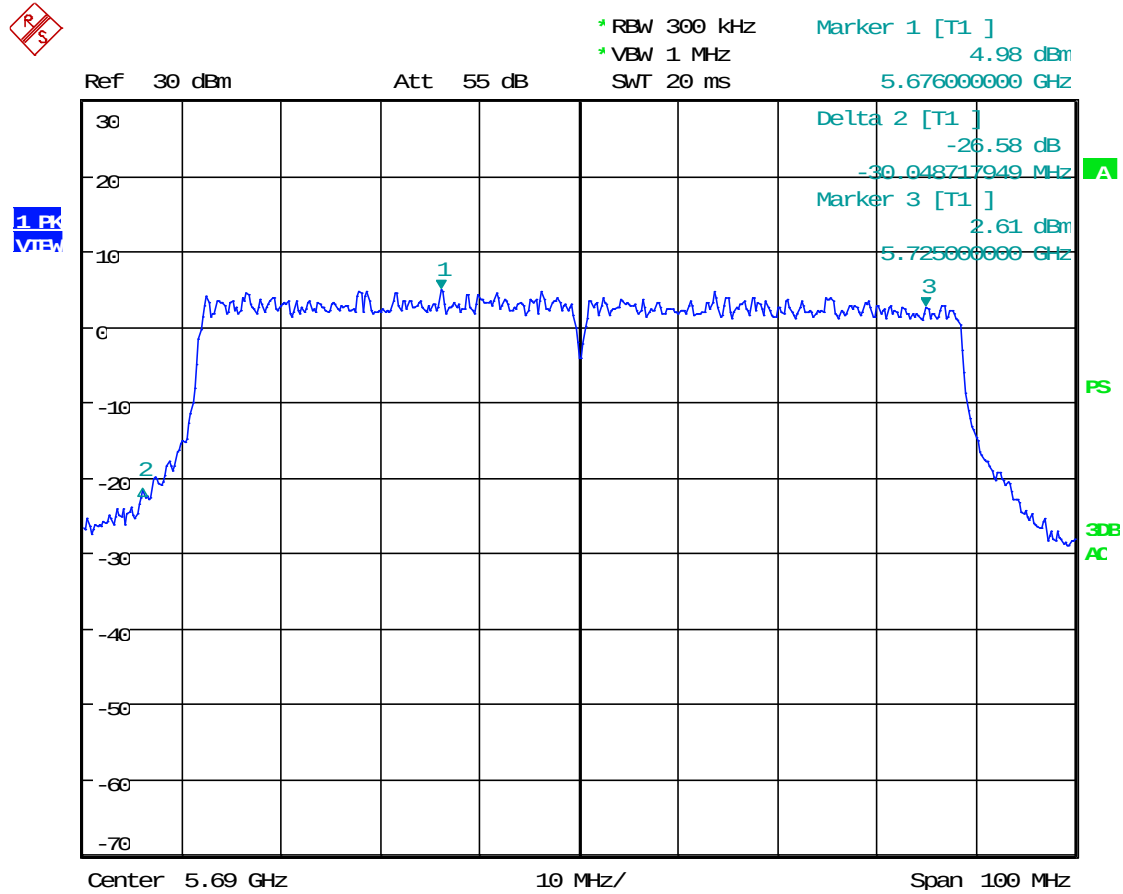
UNII 2C, HT40:



Date: 5.JAN.2022 11:53:30



UNII 2C, HT80:



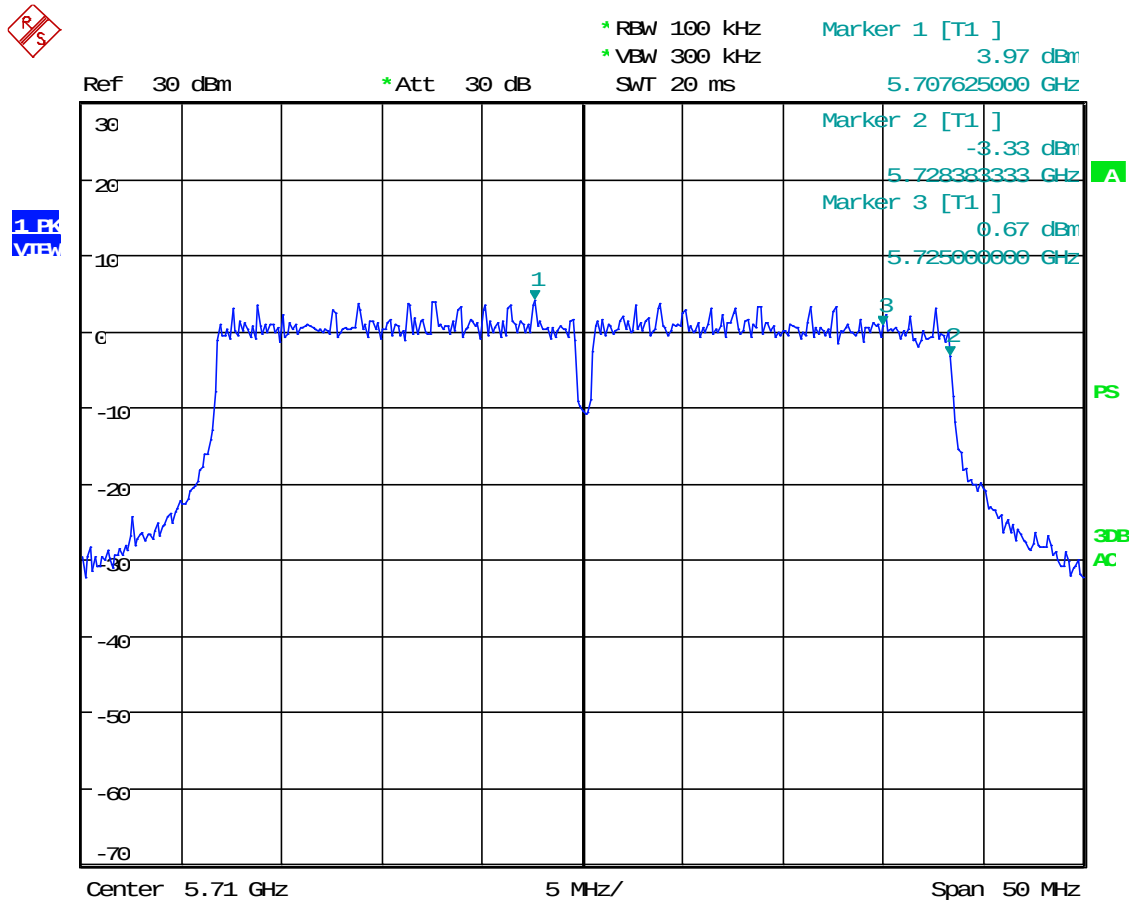
Date: 5.JAN.2022 11:56:21



Order Number: F2P19923A

Applicant: PCTEL, Inc
FCC ID: NYPWIFIAP1200

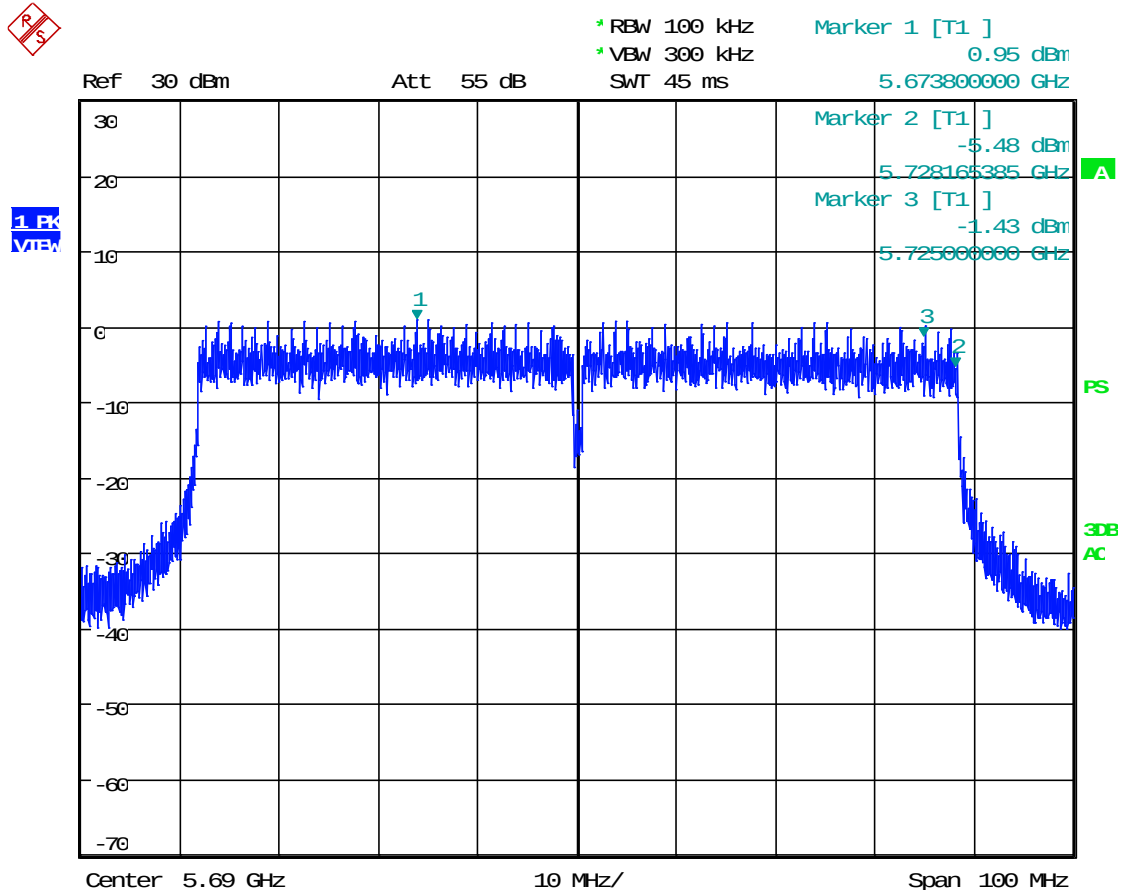
UNII 3, HT40:



Date: 5.JAN.2022 12:16:35



UNII 3, HT80:



Date: 5.JAN.2022 12:09:13



8 OUTPUT POWER

The EUT antenna ports were fitted with Type N connectors and directly connected to the input of the receiver.

Requirements:

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW (24 dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

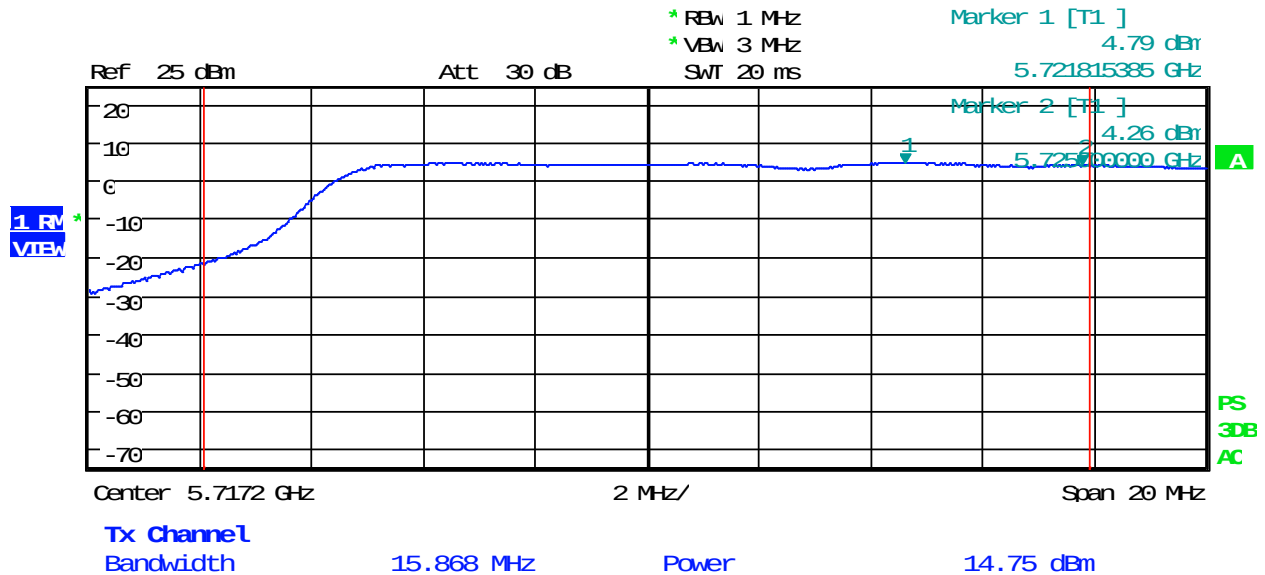
For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30 dBm). If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.



8.2 Output Power Test Data

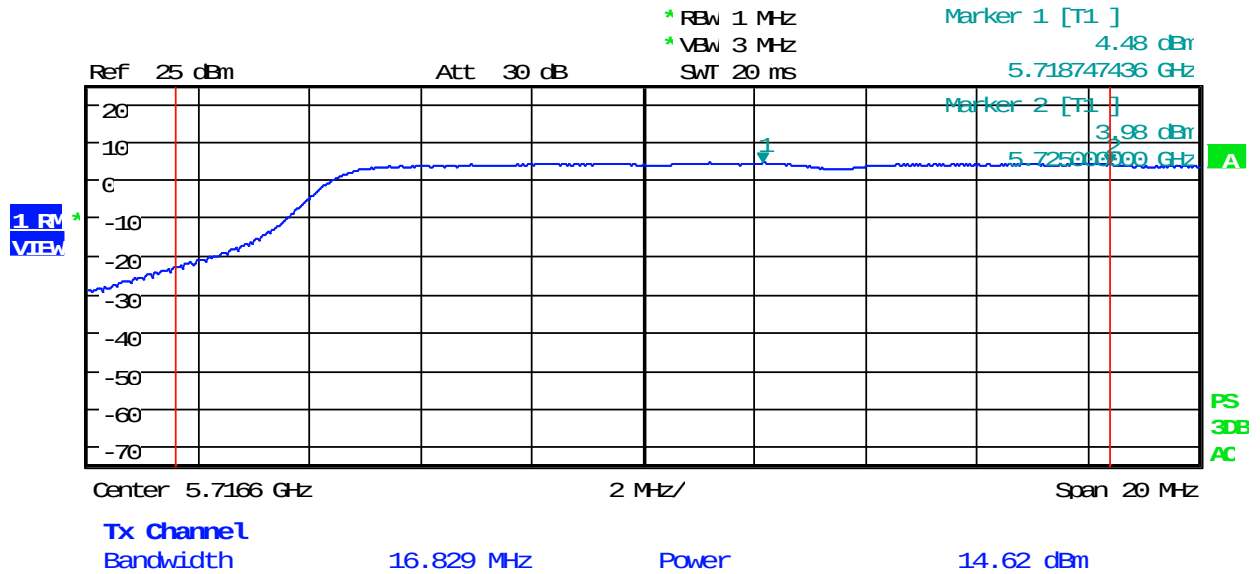
Test Date(s):	2021-10-12	Test Engineer:	J. Chiller
Standards:	CFR 47 Part 15.407(a)(1,2,3); KDB789033	Air Temperature:	20.8°C
		Relative Humidity:	52%

UNII 2C, Port 1: OFDM



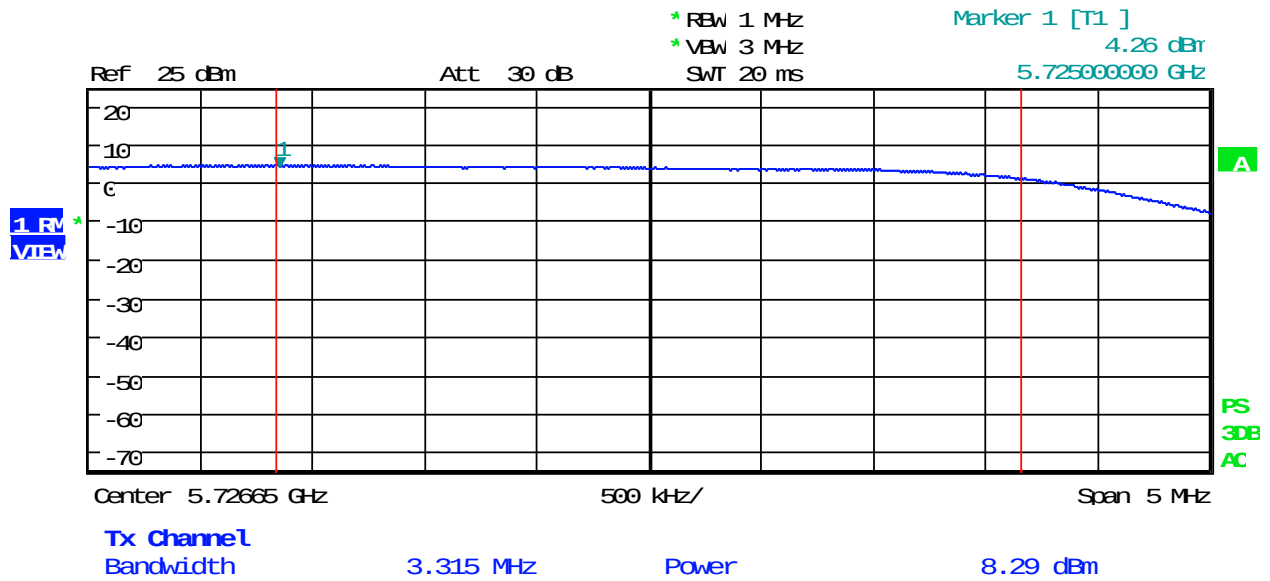


UNII 2C, Port 1: HT20





UNII 3, Port 1: OFDM

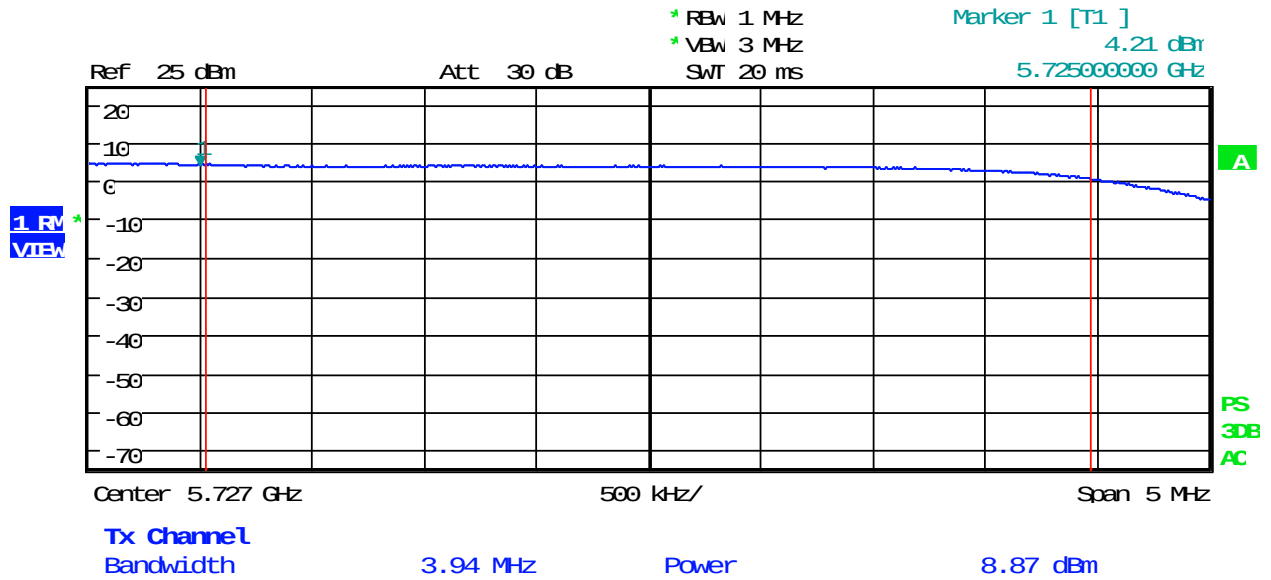




Order Number: F2P19923A

Applicant: PCTEL, Inc
FCC ID: NYPWIFIAP1200

UNII 3, Port 1: HT20

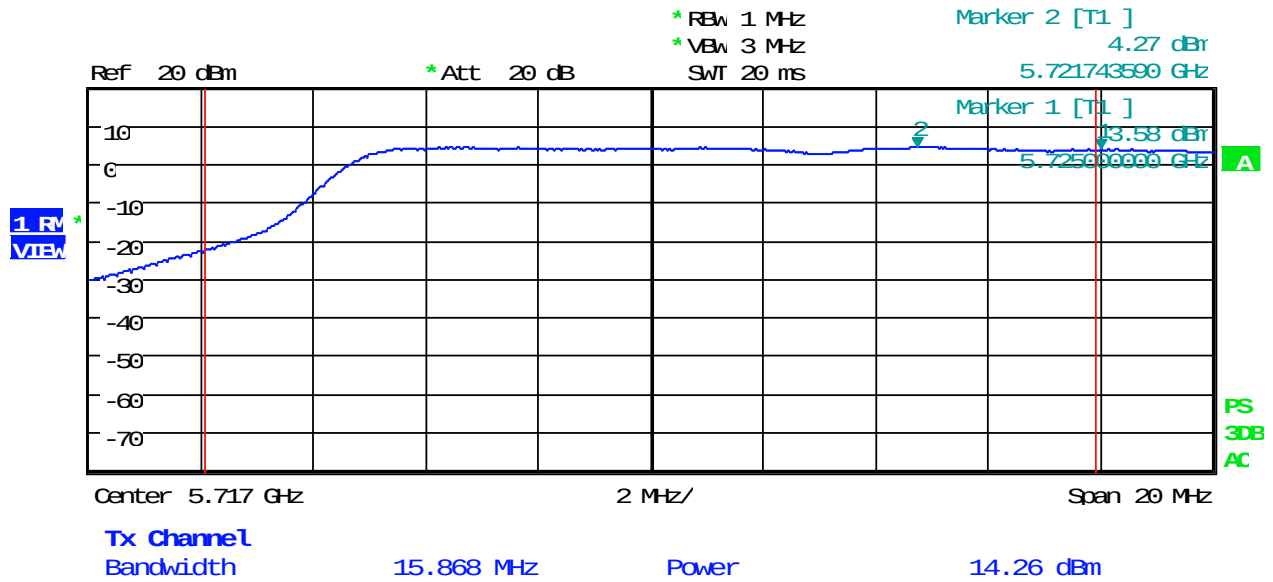




Order Number: F2P19923A

Applicant: PCTEL, Inc
FCC ID: NYPWIFIAP1200

UNII 2C, Port 2: OFDM

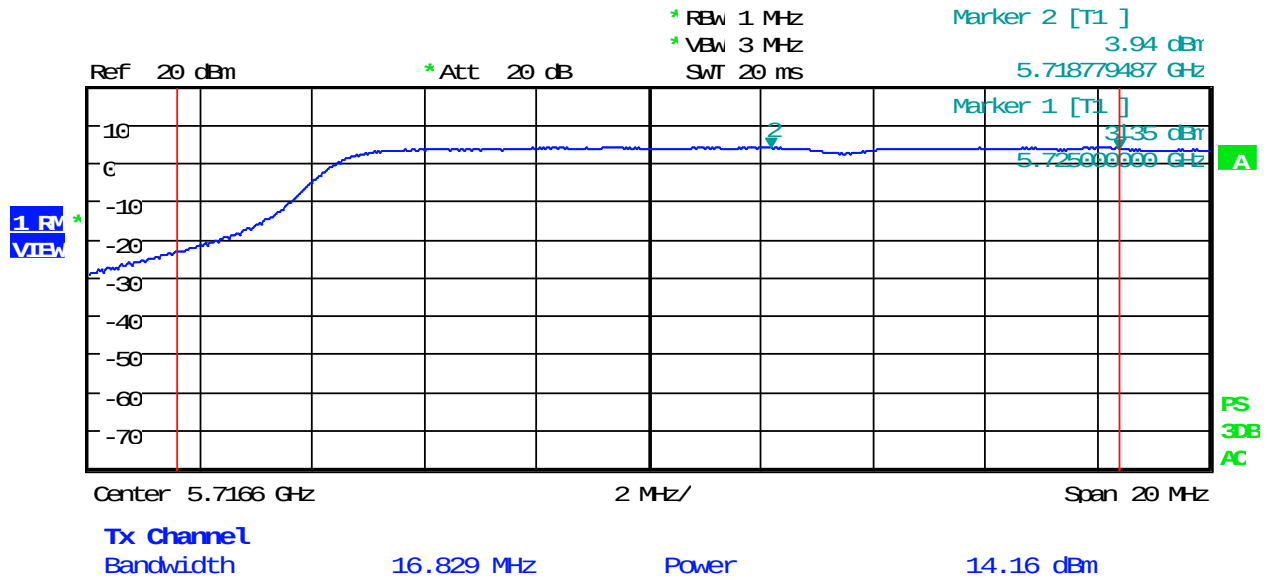




Order Number: F2P19923A

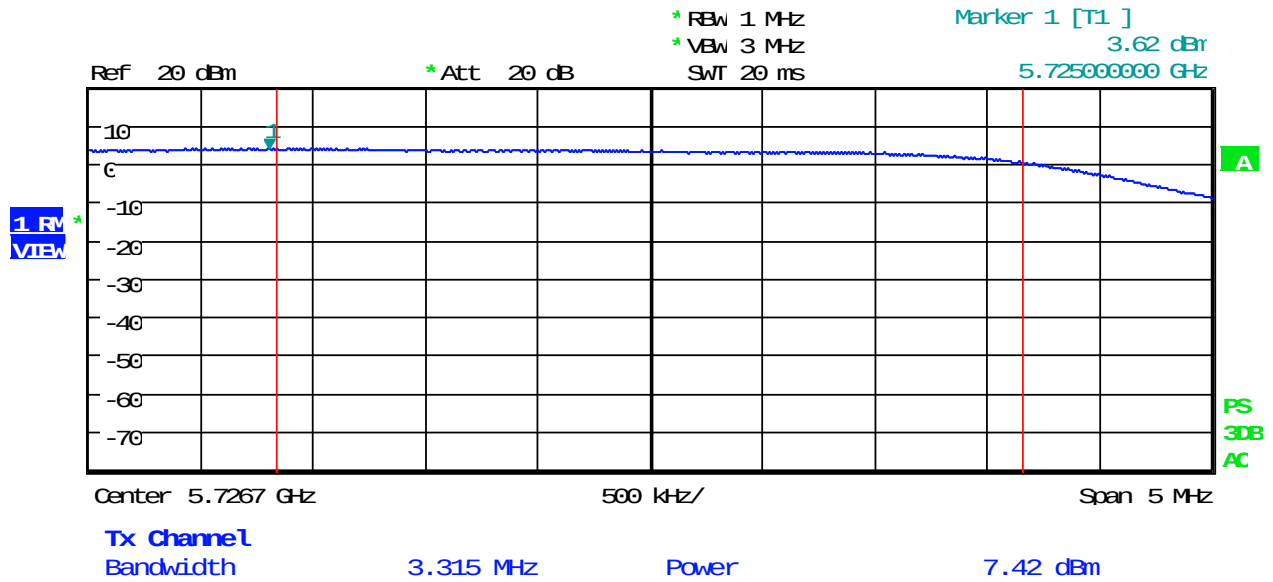
Applicant: PCTEL, Inc
FCC ID: NYPWIFIAP1200

UNII 2C, Port 2: HT20



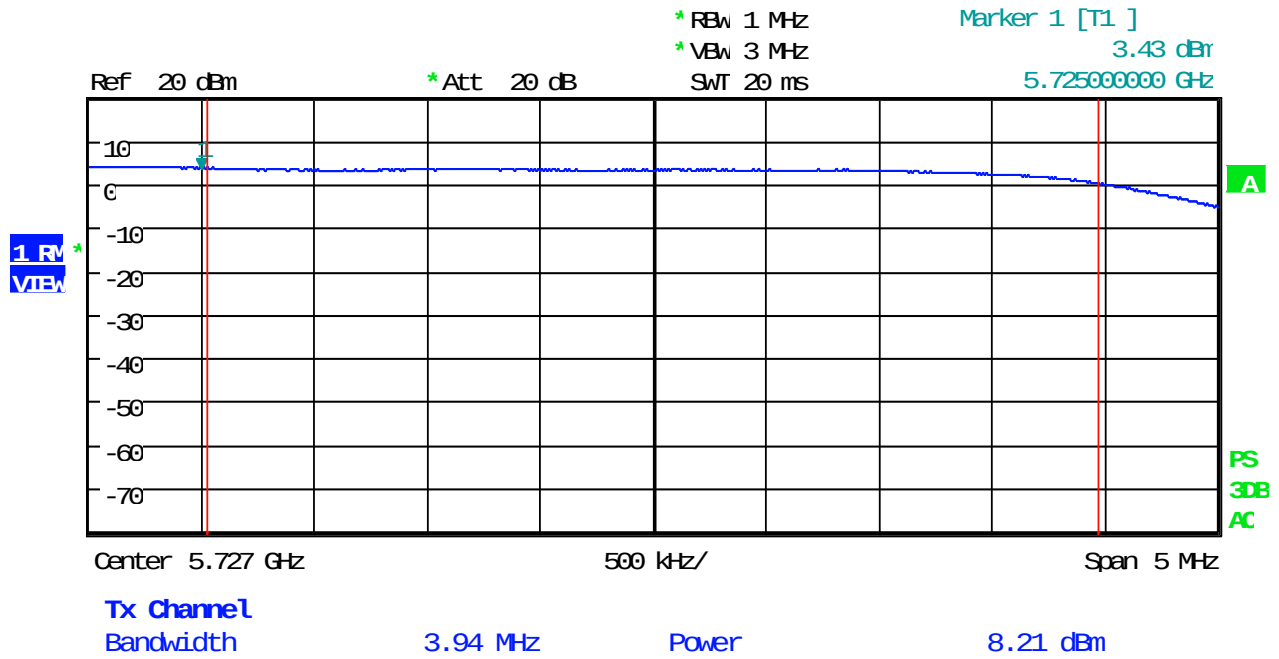


UNII 3, Port 2: OFDM





UNII 3, Port 2: HT20

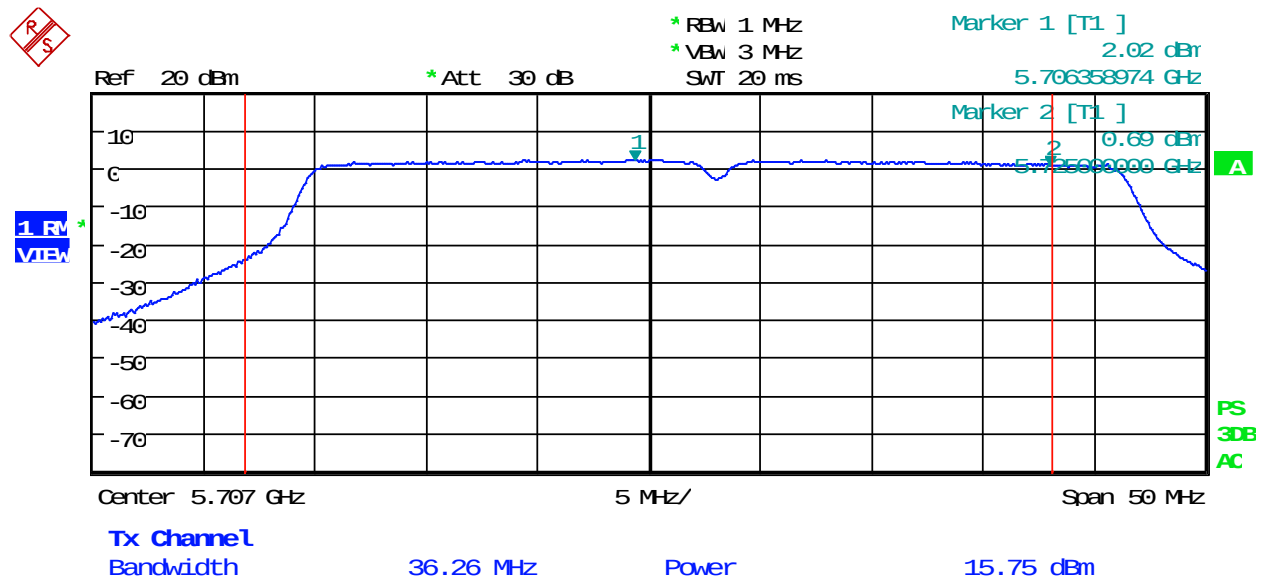




Output Power Test Data

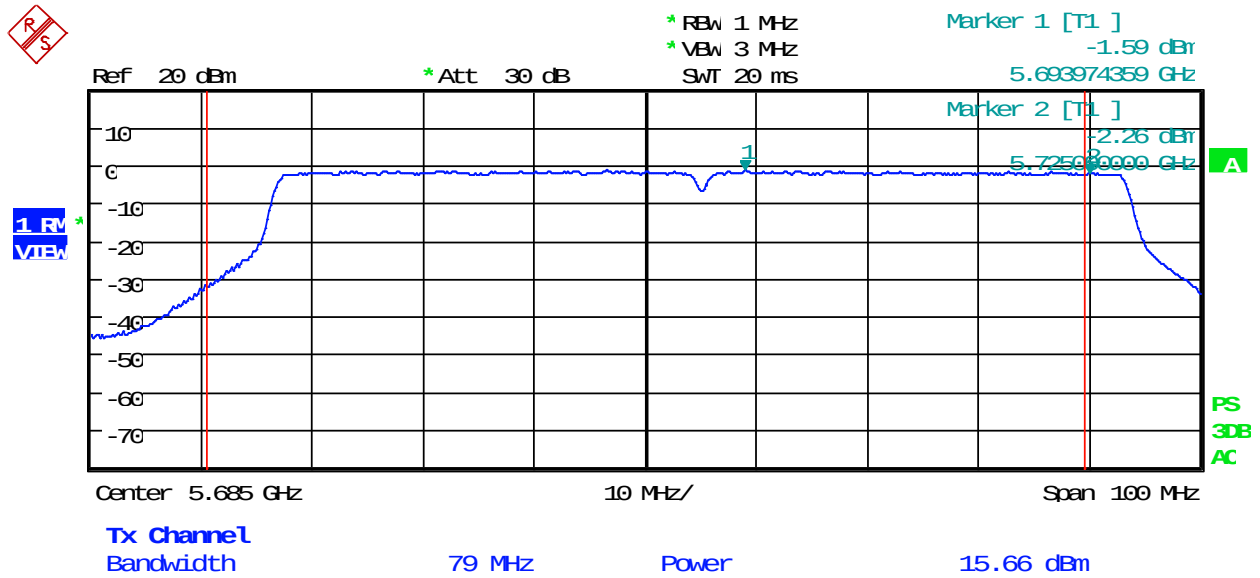
Test Date(s):	2022-01-05	Test Engineer:	J. Chiller
Standards:	CFR 47 Part 15.407(a)(1,2,3); KDB789033	Air Temperature:	20.5°C
		Relative Humidity:	30%

UNII 2C, Port 1: HT40





UNII 2C, Port 1: HT80

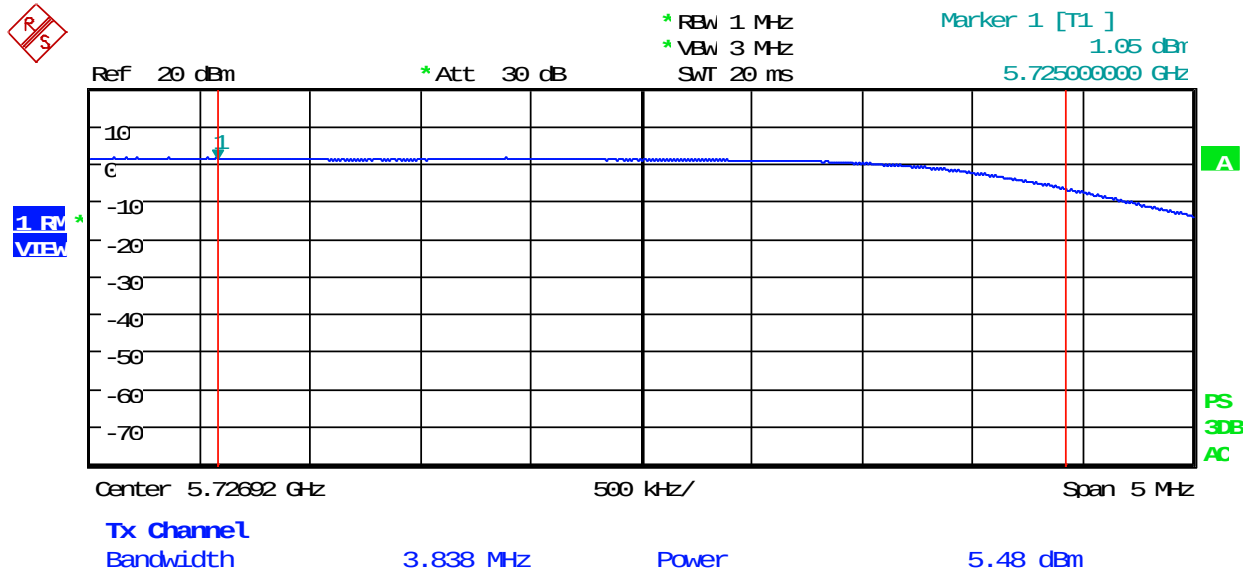




Order Number: F2P19923A

Applicant: PCTEL, Inc
FCC ID: NYPWIFIAP1200

UNII 3, Port 1: HT40

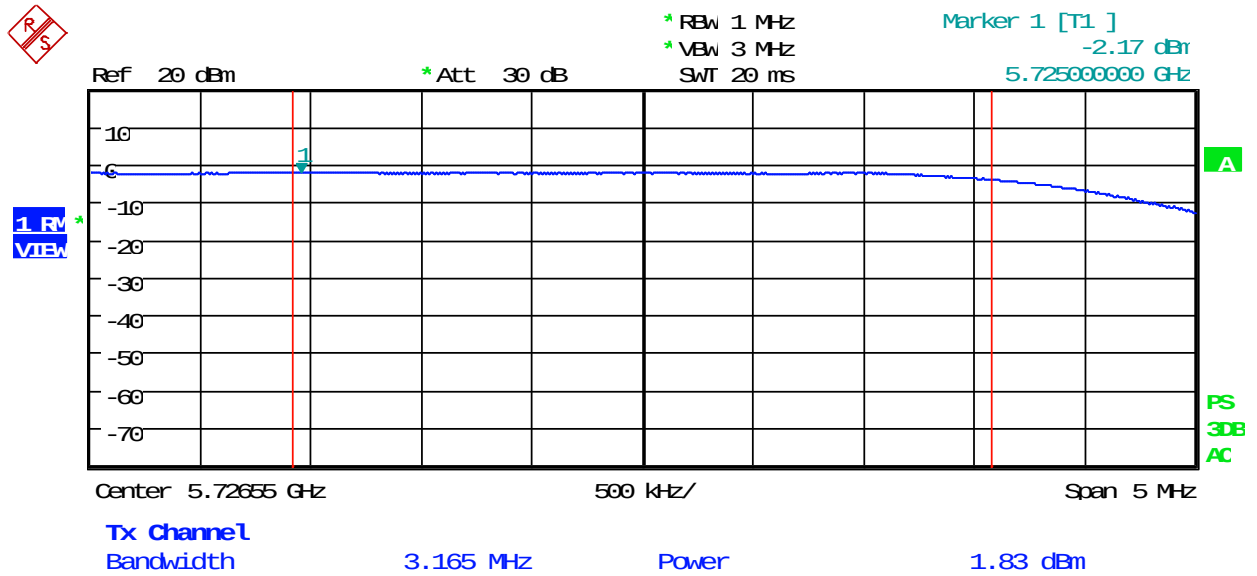




Order Number: F2P19923A

Applicant: PCTEL, Inc
FCC ID: NYPWIFIAP1200

UNII 3, Port 1: HT80

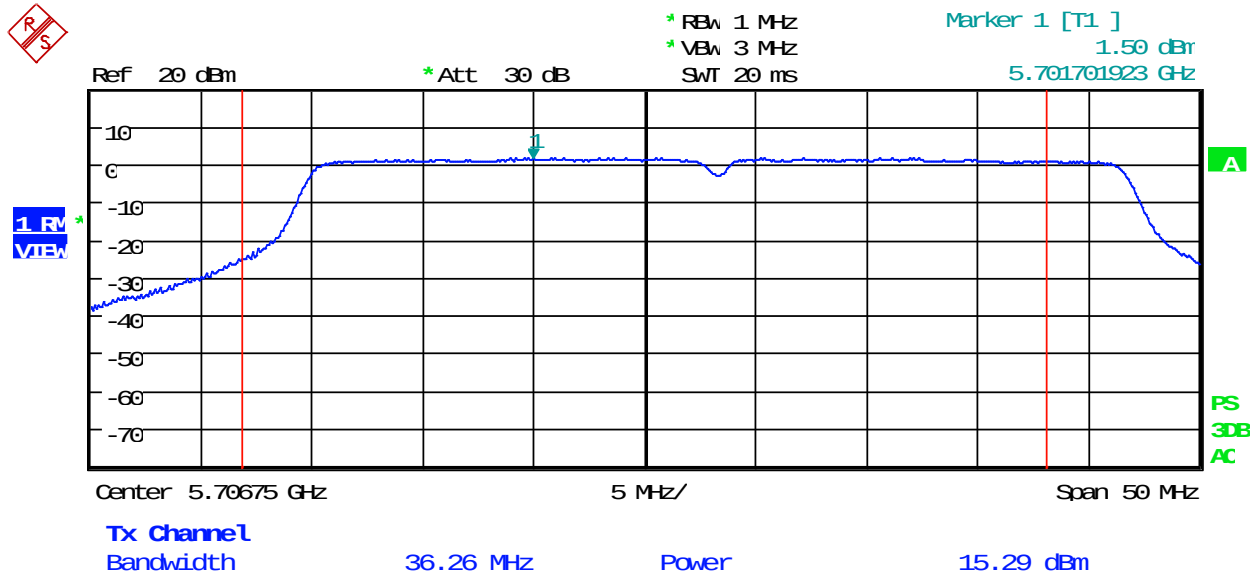




Order Number: F2P19923A

Applicant: PCTEL, Inc
FCC ID: NYPWIFIAP1200

UNII 2C, Port 2: HT40

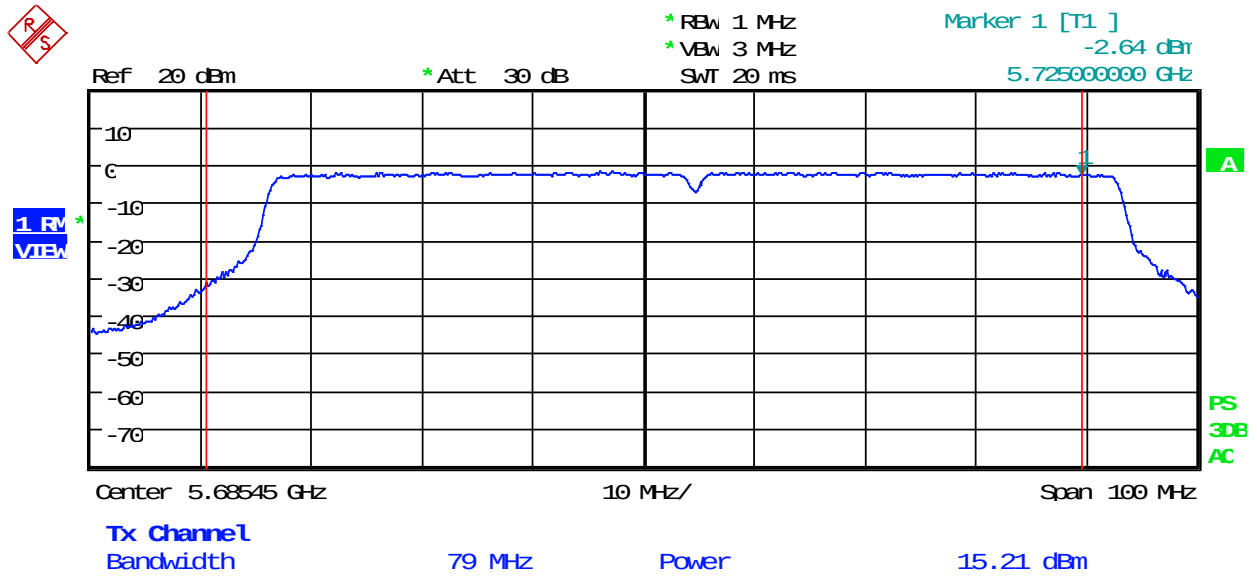




Order Number: F2P19923A

Applicant: PCTEL, Inc
FCC ID: NYPWIFIAP1200

UNII 2C, Port 2: HT80

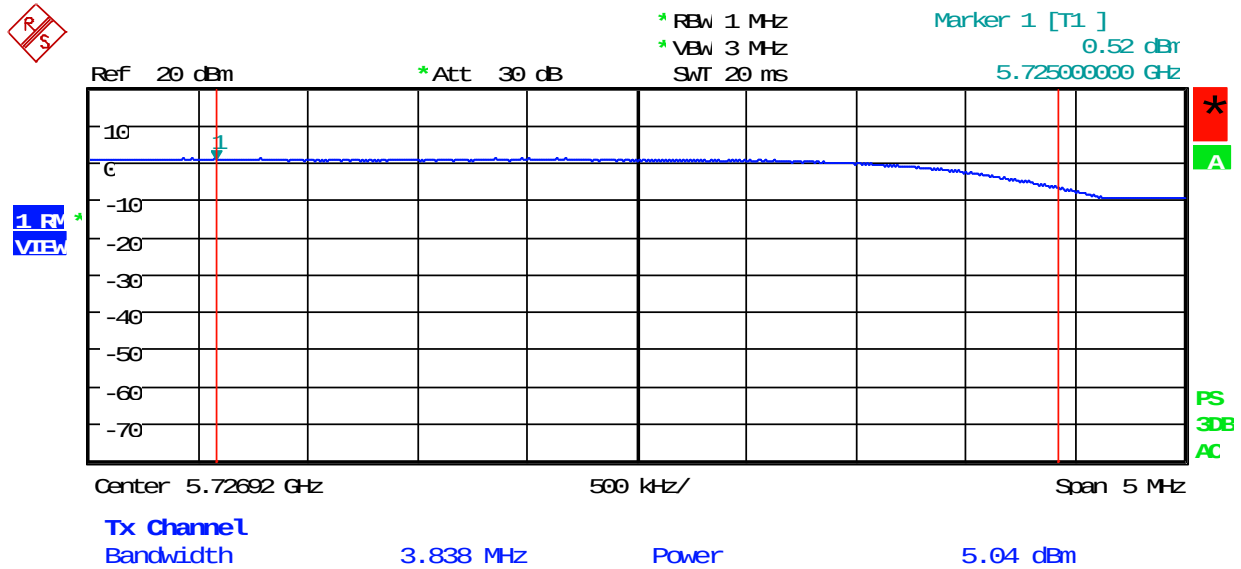




Order Number: F2P19923A

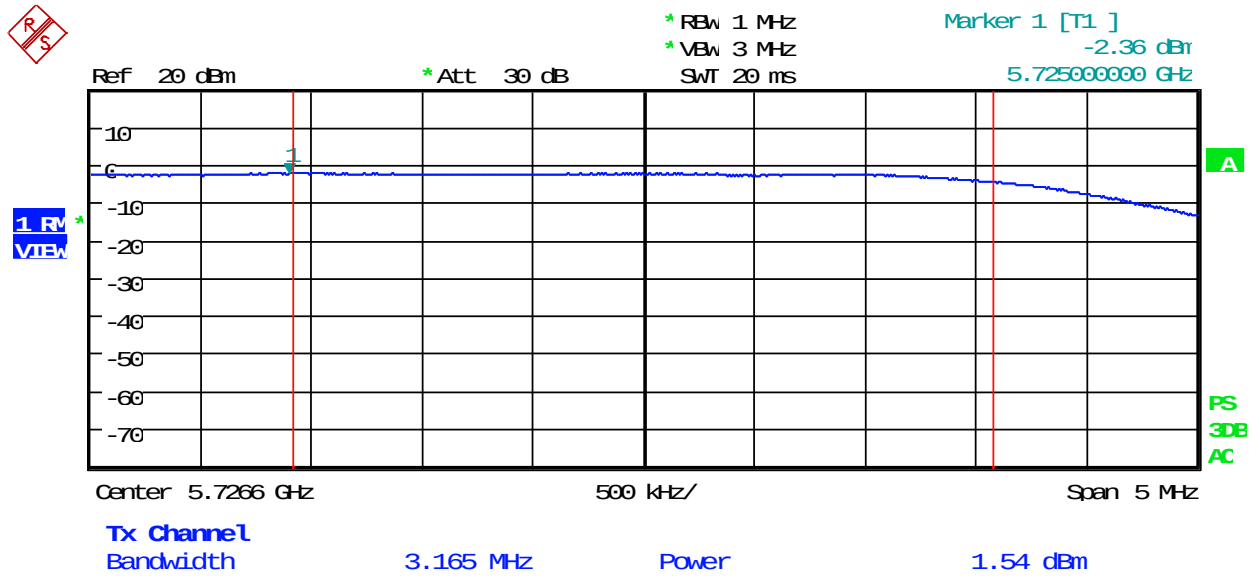
Applicant: PCTEL, Inc
FCC ID: NYPWIFIAP1200

UNII 3, Port 2: HT40





UNII 3, Port 2: HT80

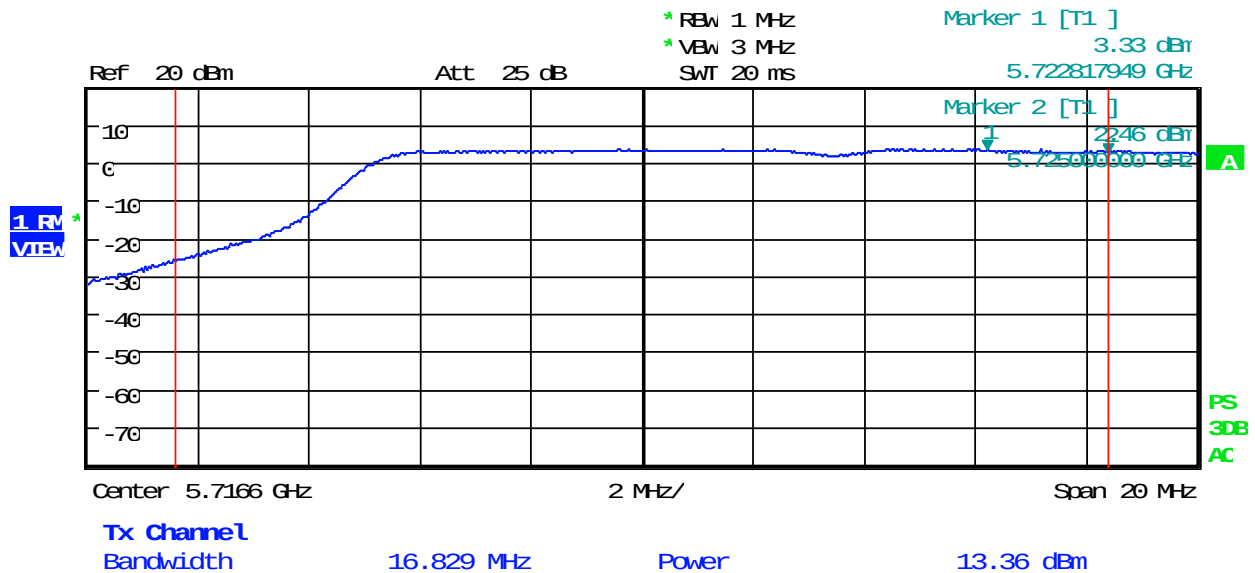




Test Date(s):	2021-11-10	Test Engineer:	J. Chiller
Standards:	CFR 47 Part 15.407(a)(1,2,3); KDB789033	Air Temperature:	20.8°C

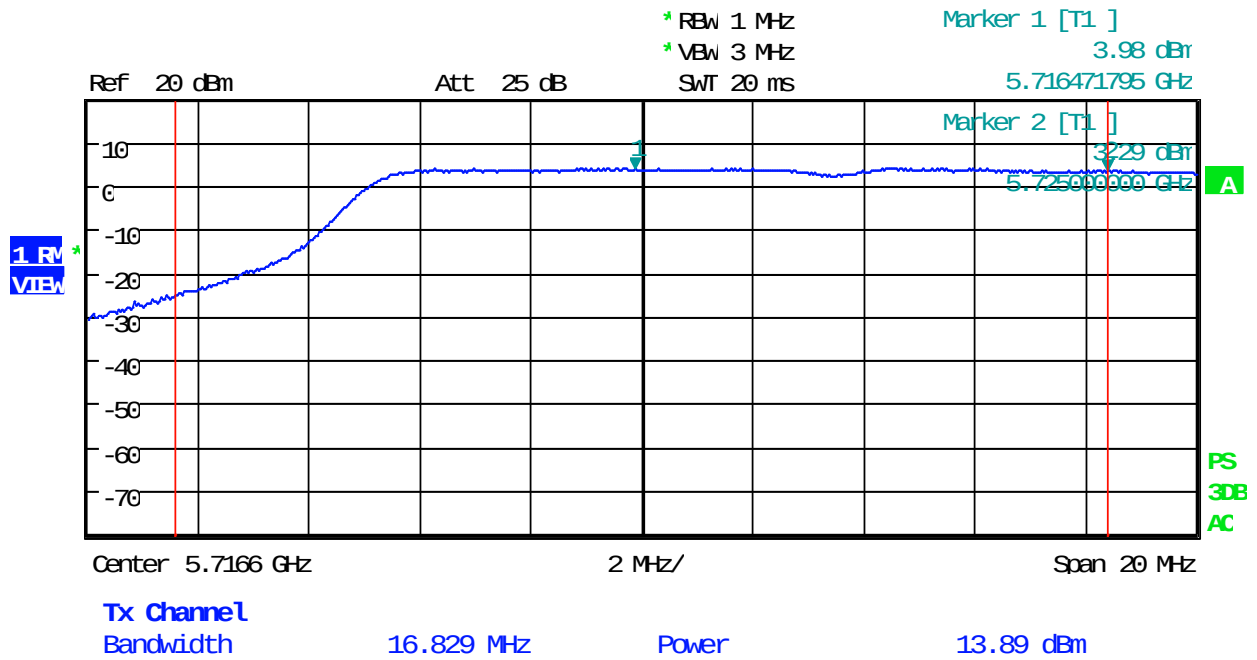
REDUCED POWER FOR WHEN BEAMFORMING
(Required to meet PSD requirement when Beamforming)

Port 1: OFDM UNII 2C



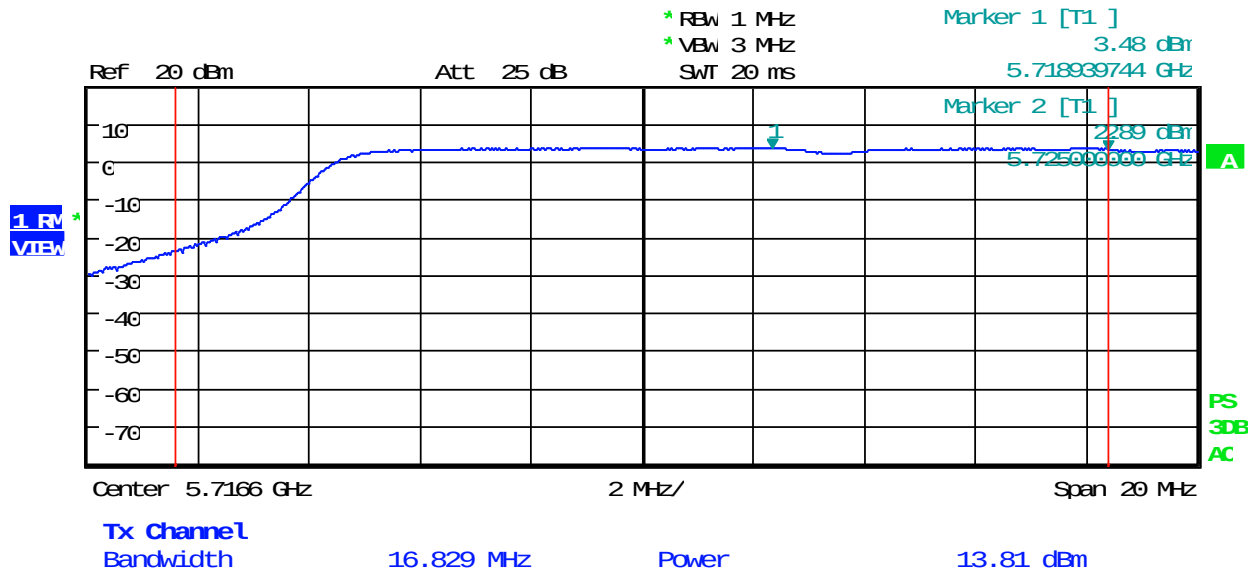


Port 2: OFDM, UNII 2C



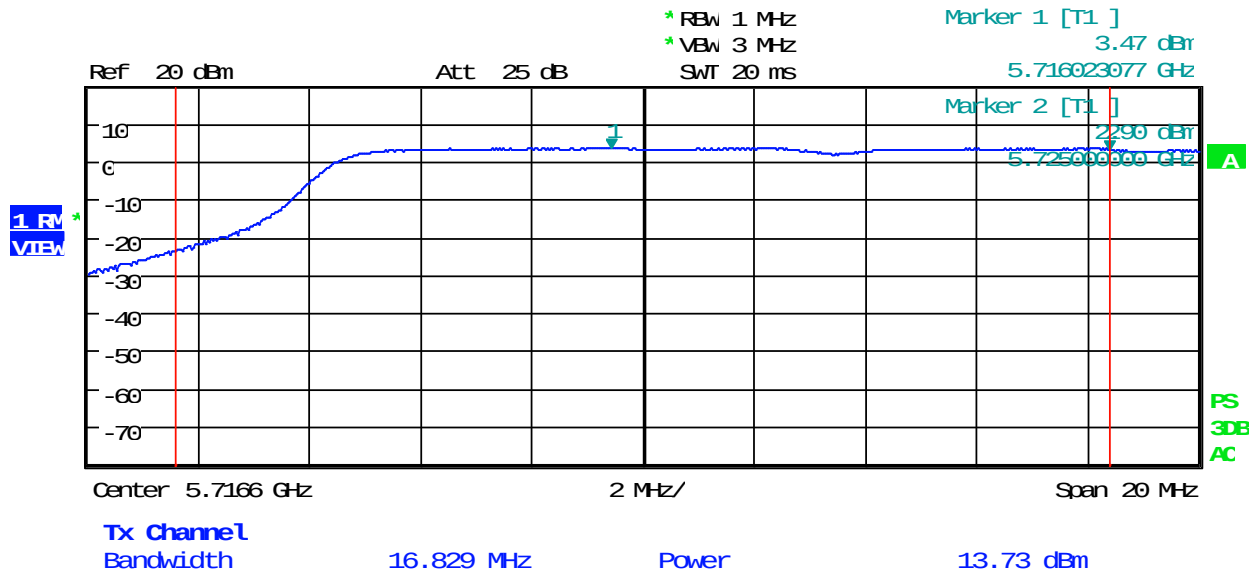


Port 1: HT20, UNII 2C





Port 2: HT20, UNII 2C

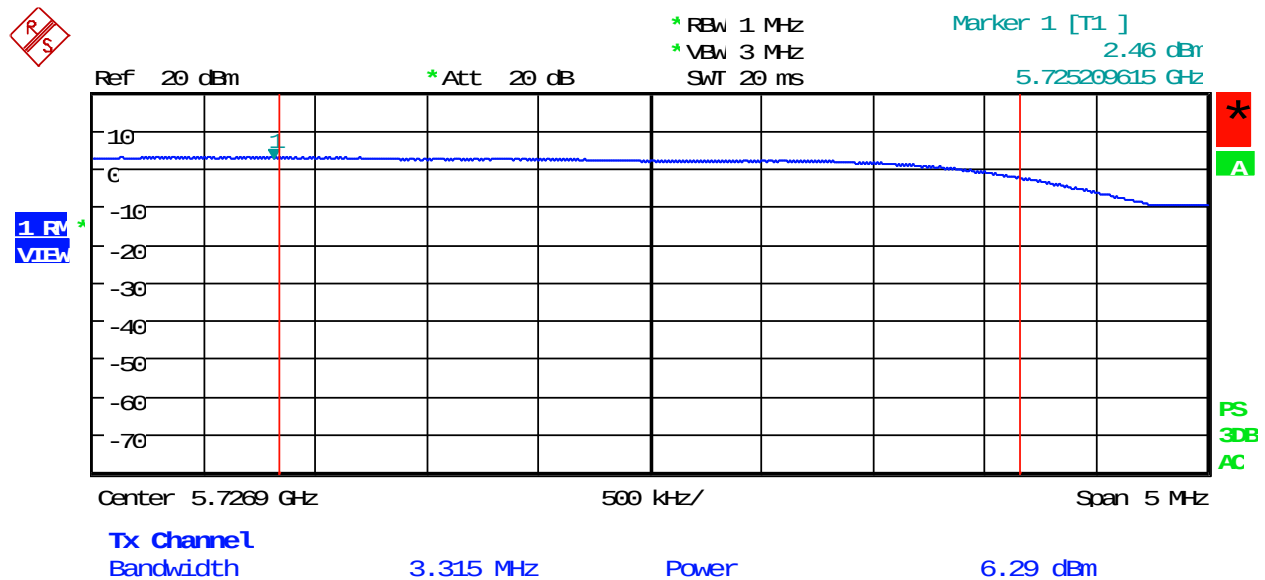




Test Date(s):	2022-03-29	Test Engineer:	J. Chiller
Standards:	CFR 47 Part 15.407(a)(1,2,3); KDB789033	Air Temperature:	20.8°C

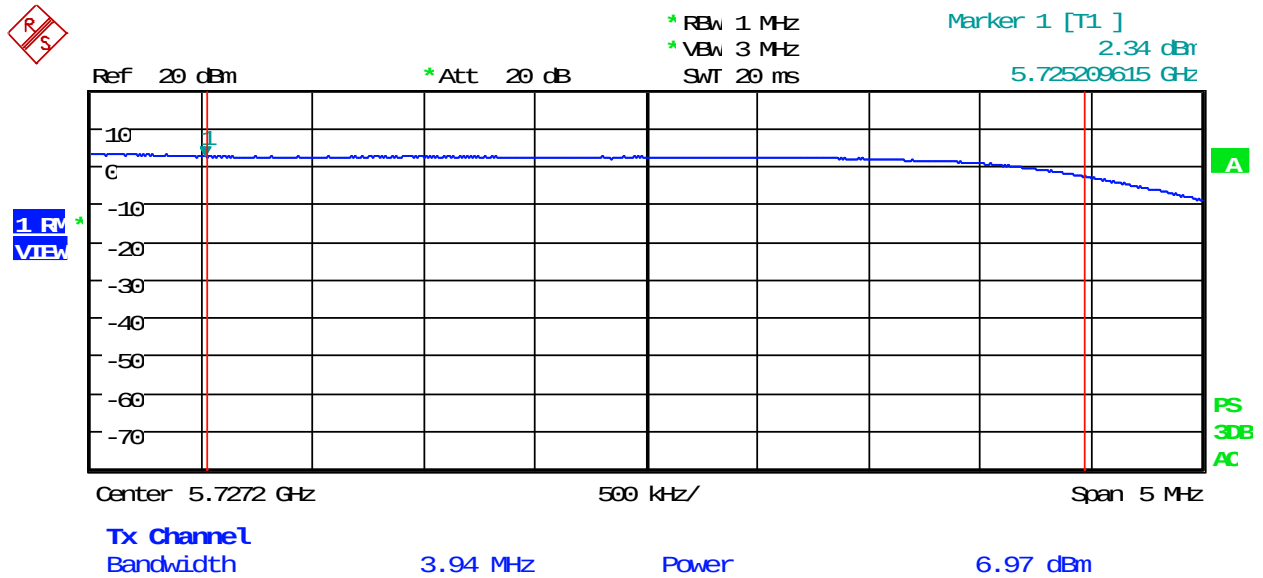
REDUCED POWER FOR WHEN BEAMFORMING
(Required to meet PSD requirement on the UNII-2C portion when Beamforming)

Port 1: UNII 3, OFDM





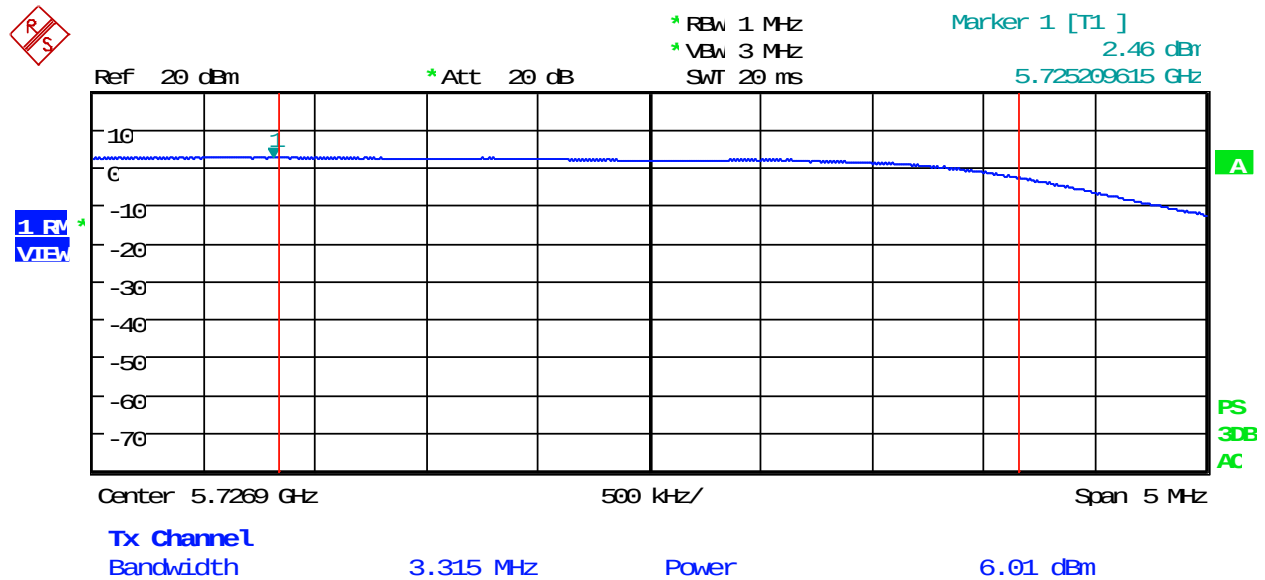
Port 1: UNII 3, HT20





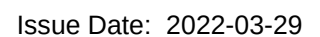
Applicant: PCTEL, Inc
FCC ID: NYPWIFIAP1200

Port 2: UNII 3, OFDM





Port 2: UNII 3, HT20





9 PEAK POWER SPECTRAL DENSITY (PSD)

Peak power spectral density measurements were performed.

9.1 Requirements:

For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6dBi. In addition, the maximum power spectral density shall not exceed 17dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125mW (21dBm).

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. **In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.** If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

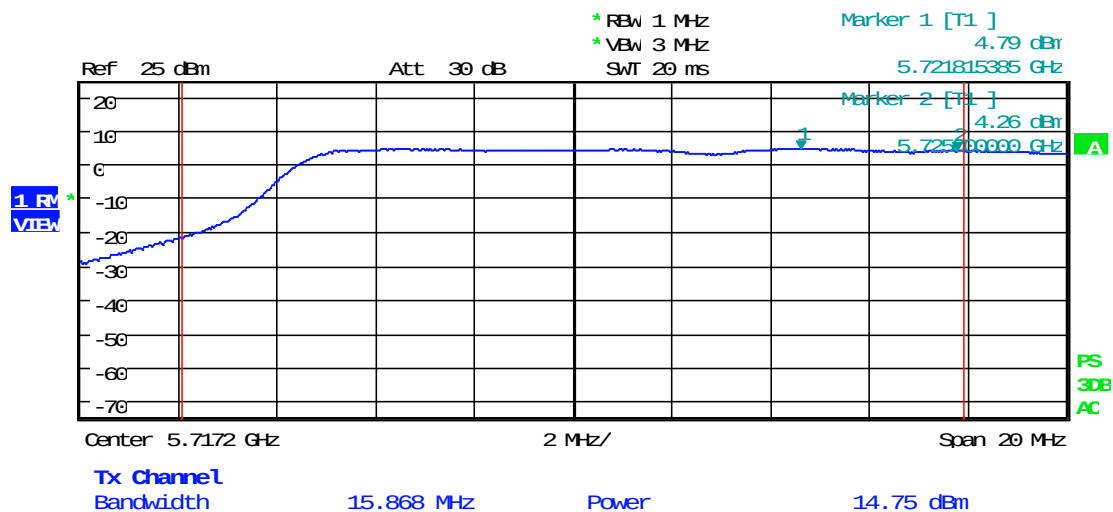
For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1W. **In addition, the maximum power spectral density shall not exceed 30dBm in any 500 kHz band.**



9.2 Peak Power Spectral Density Test Data

Test Date(s):	2021-10-12	Test Engineer:	J. Chiller
Standards:	CFR 47 Part 15.407(a)(1,3); KDB789033	Air Temperature:	21.3°C
		Relative Humidity:	51%

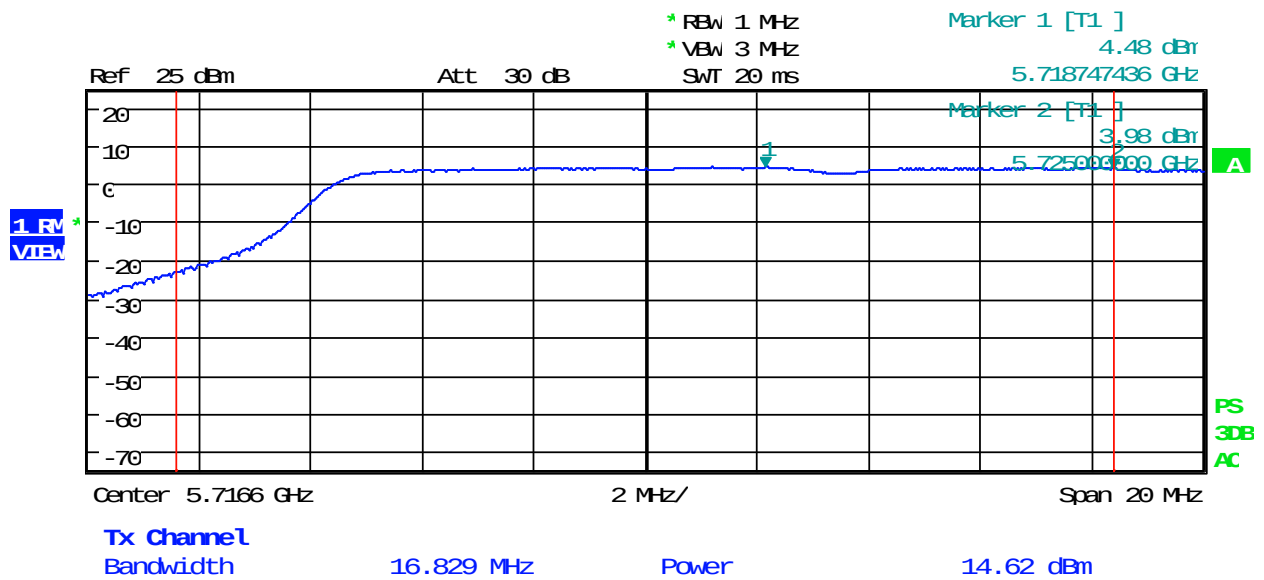
UNII 2C, Port 1: OFDM



Date: 12.OCT.2021 16:09:56

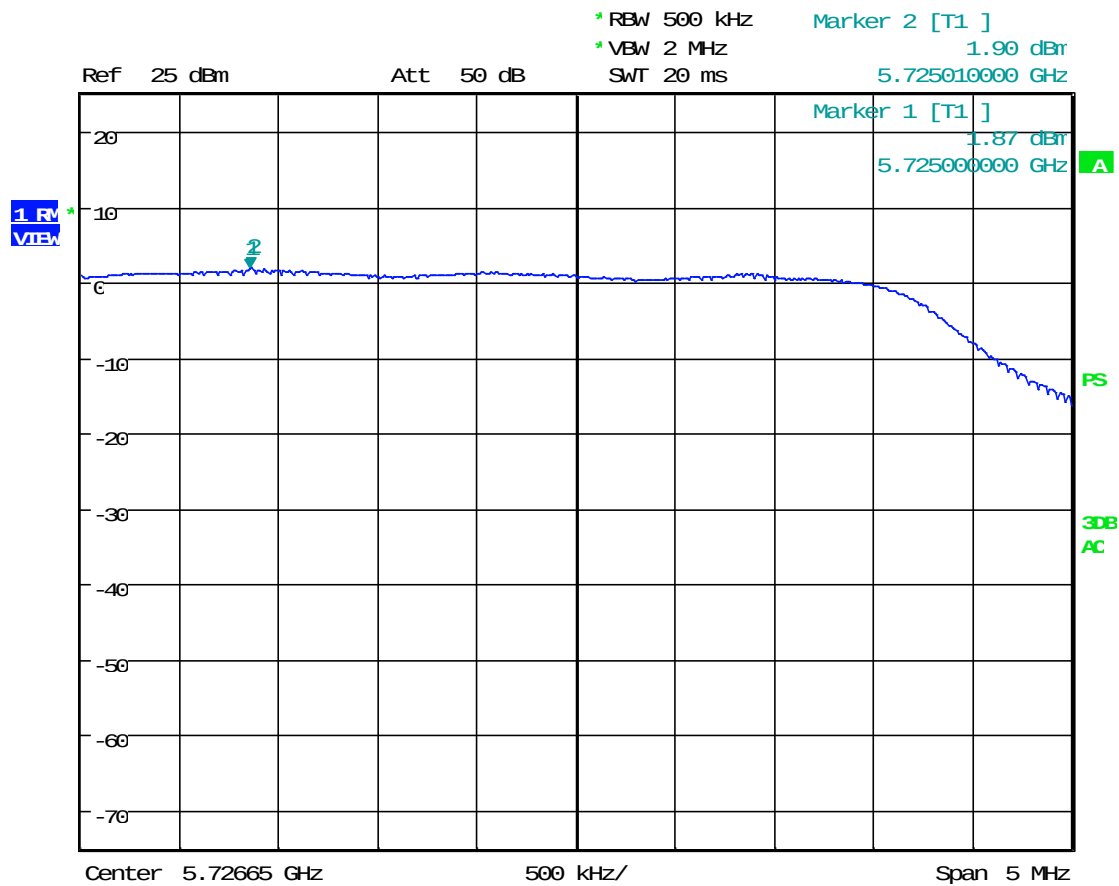


UNII 2C, Port 1: HT20





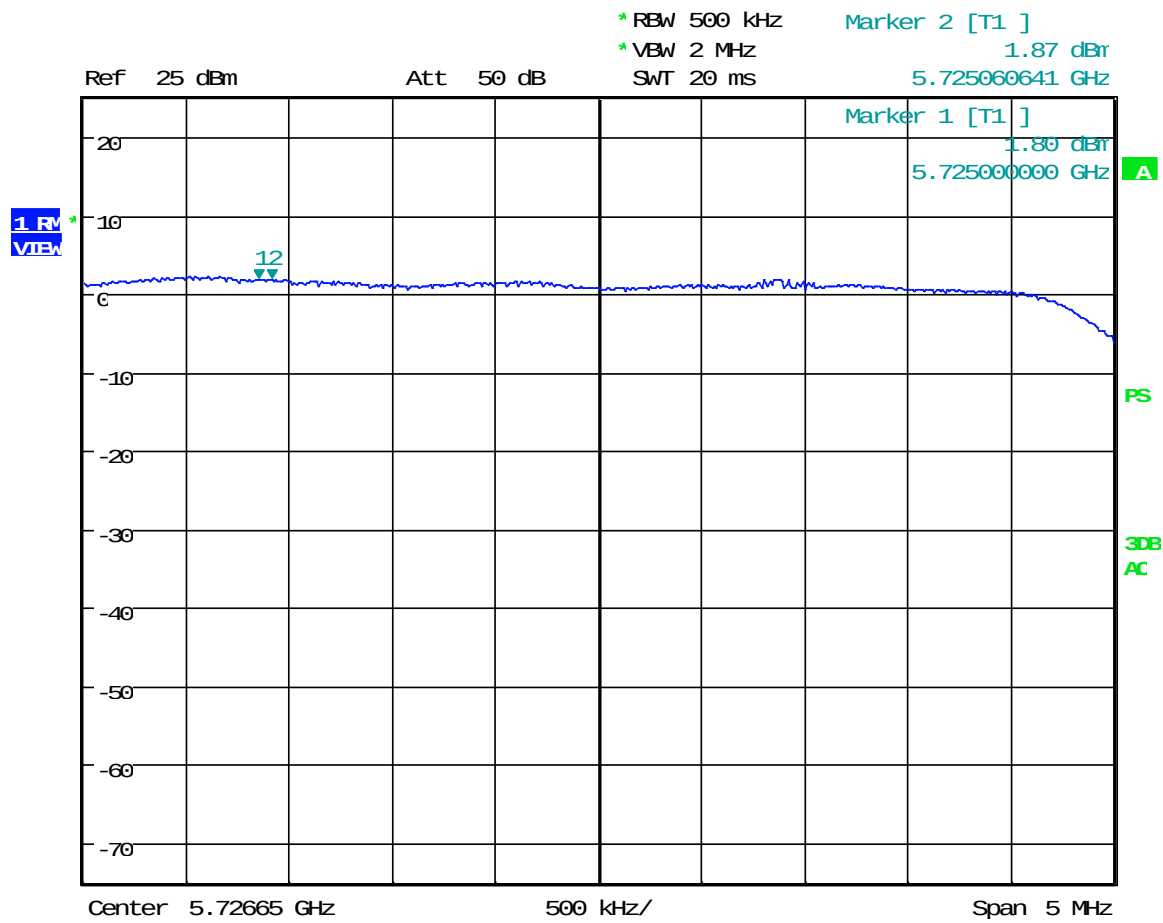
UNII 3, Port 1: OFDM (Non-Beamforming)



Date: 12.OCT.2021 16:27:51



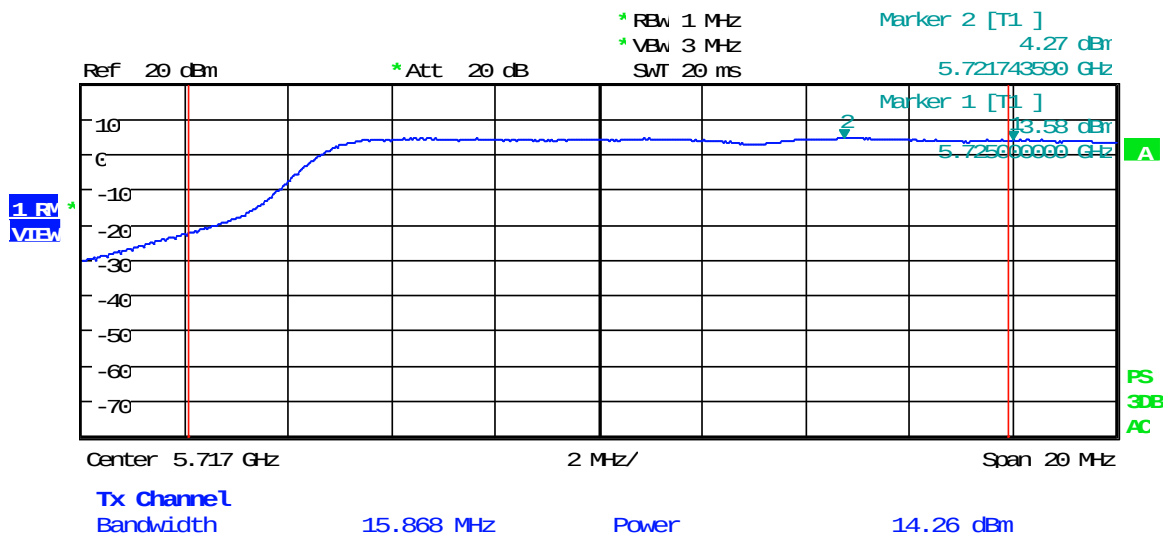
UNII 3, Port 1: HT20 (Non-Beamforming)



Date: 12.OCT.2021 16:33:45



UNII 2C, Port 2: OFDM



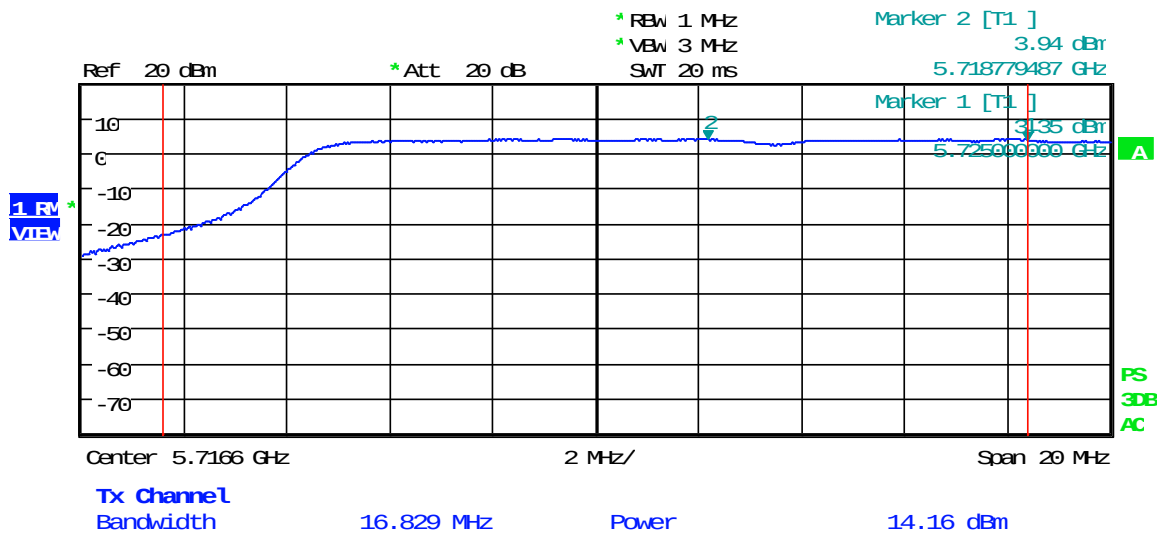
Date: 12.OCT.2021 17:06:58



Order Number: F2P19923A

Applicant: PCTEL, Inc
FCC ID: NYPWIFIAP1200

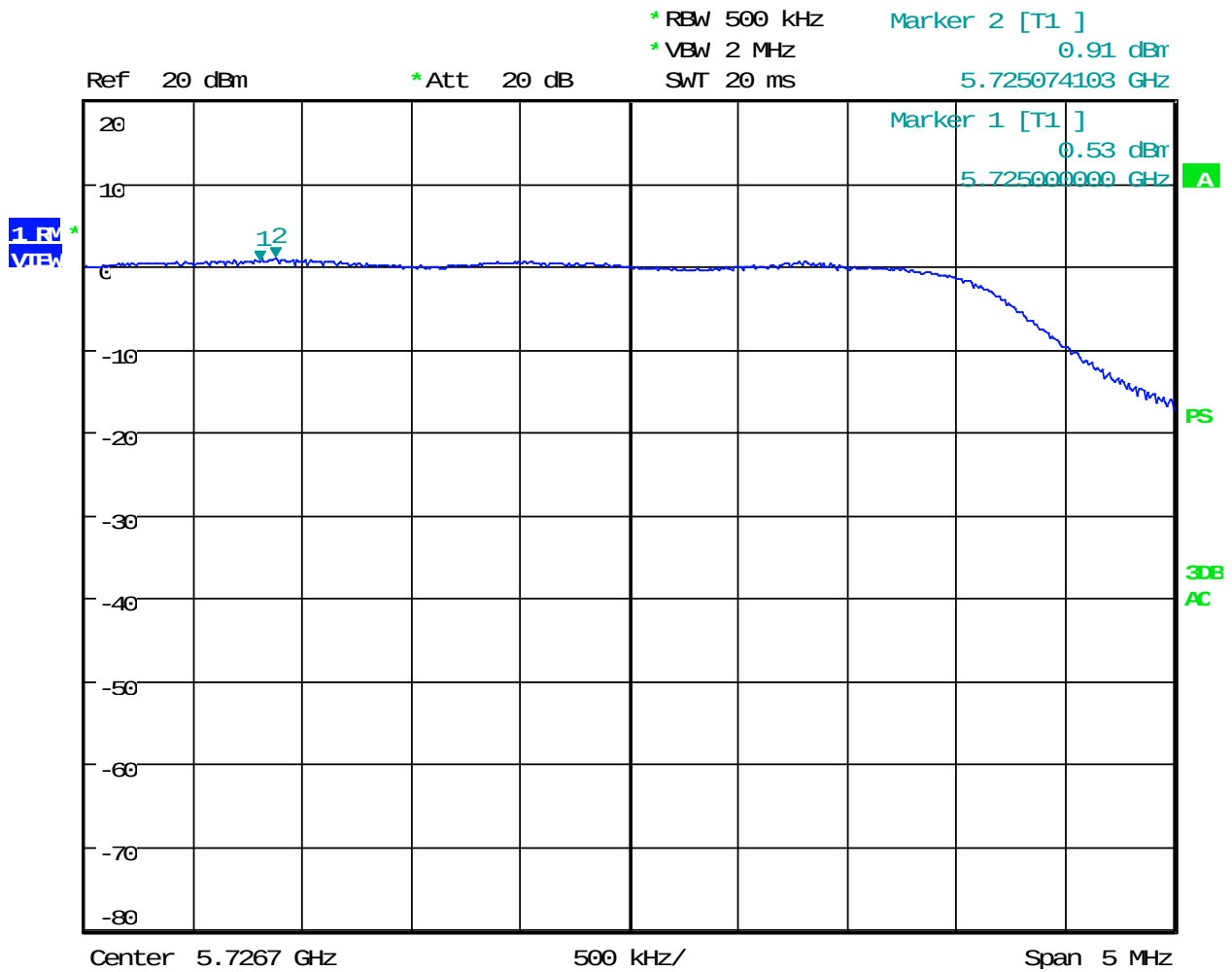
UNII 2C, Port 2: HT20



Date: 12.OCT.2021 17:16:44

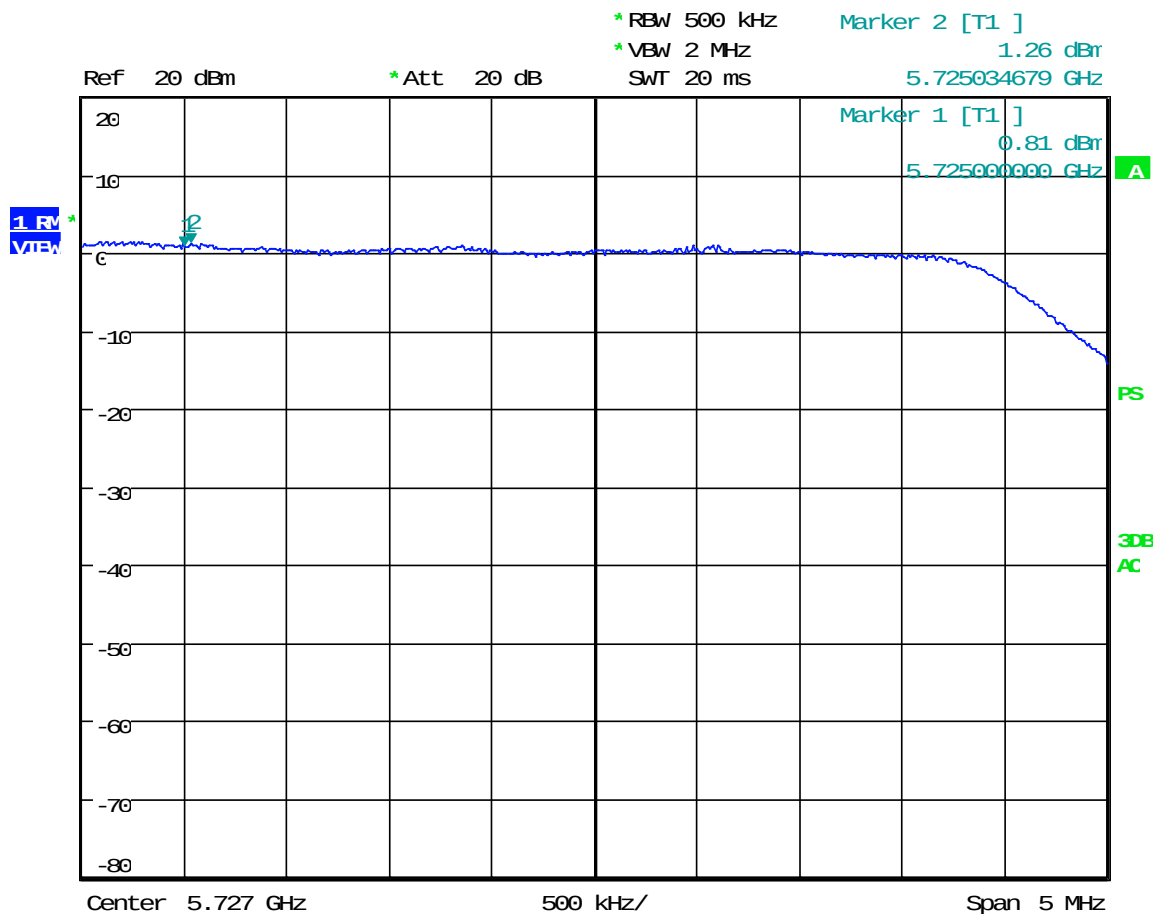


UNII 3, Port 2: OFDM (Non-Beamforming)





UNII 3, Port 2: HT20 (Non-Beamforming)

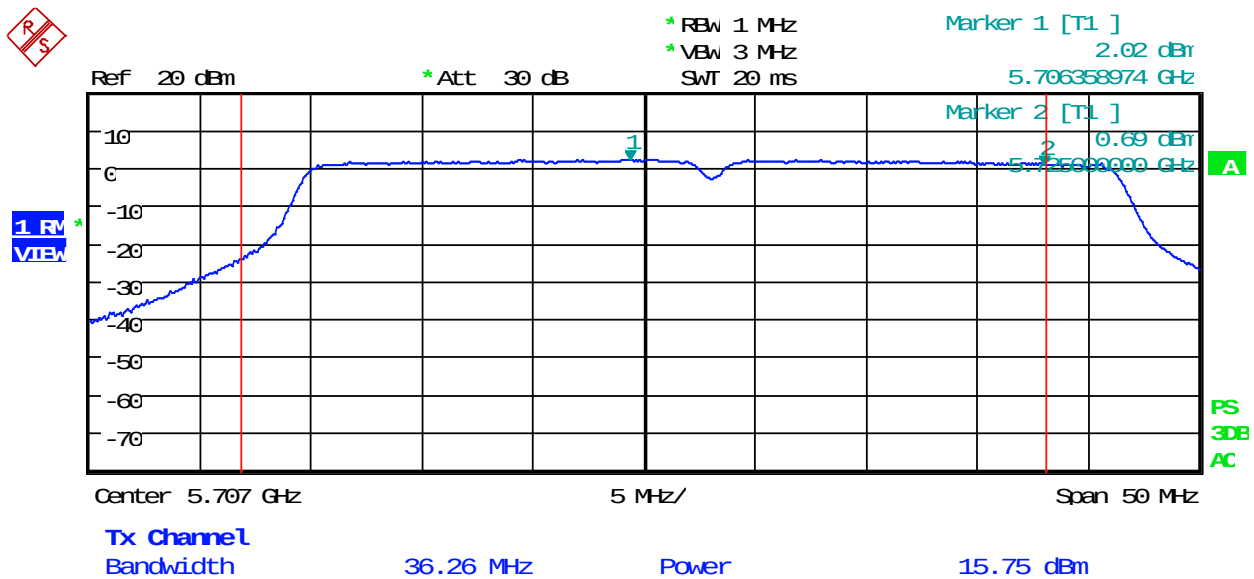


Date: 12.OCT.2021 17:22:09



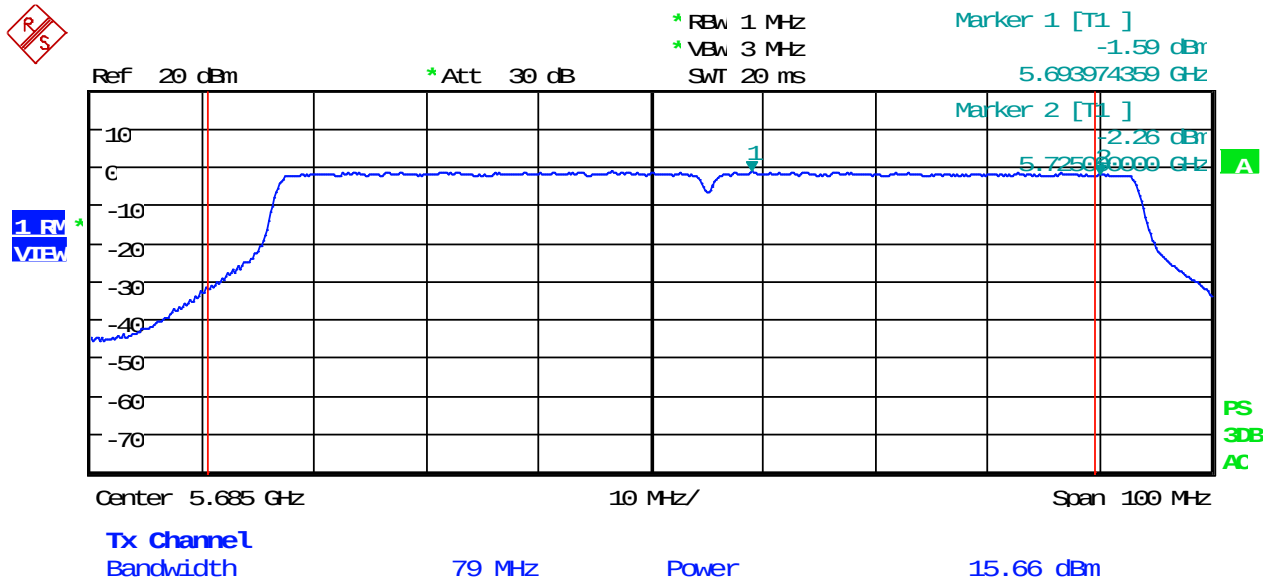
Test Date(s):	2022-01-05	Test Engineer:	J. Chiller
Standards:	CFR 47 Part 15.407(a)(1,3); KDB789033	Air Temperature:	20.5°C
		Relative Humidity:	30%

UNII 2C, Port 1: HT40



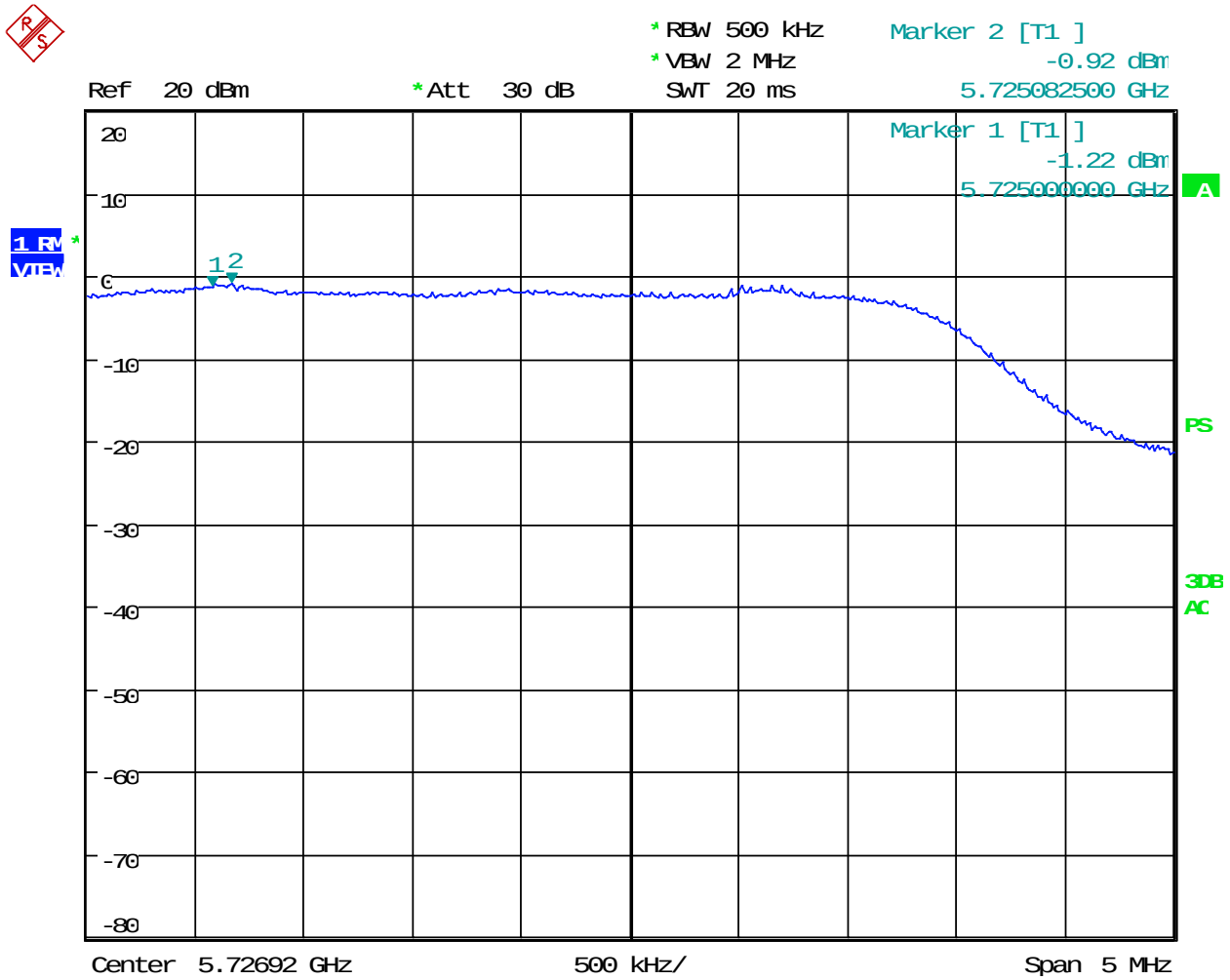


UNII 2C, Port 1: HT80



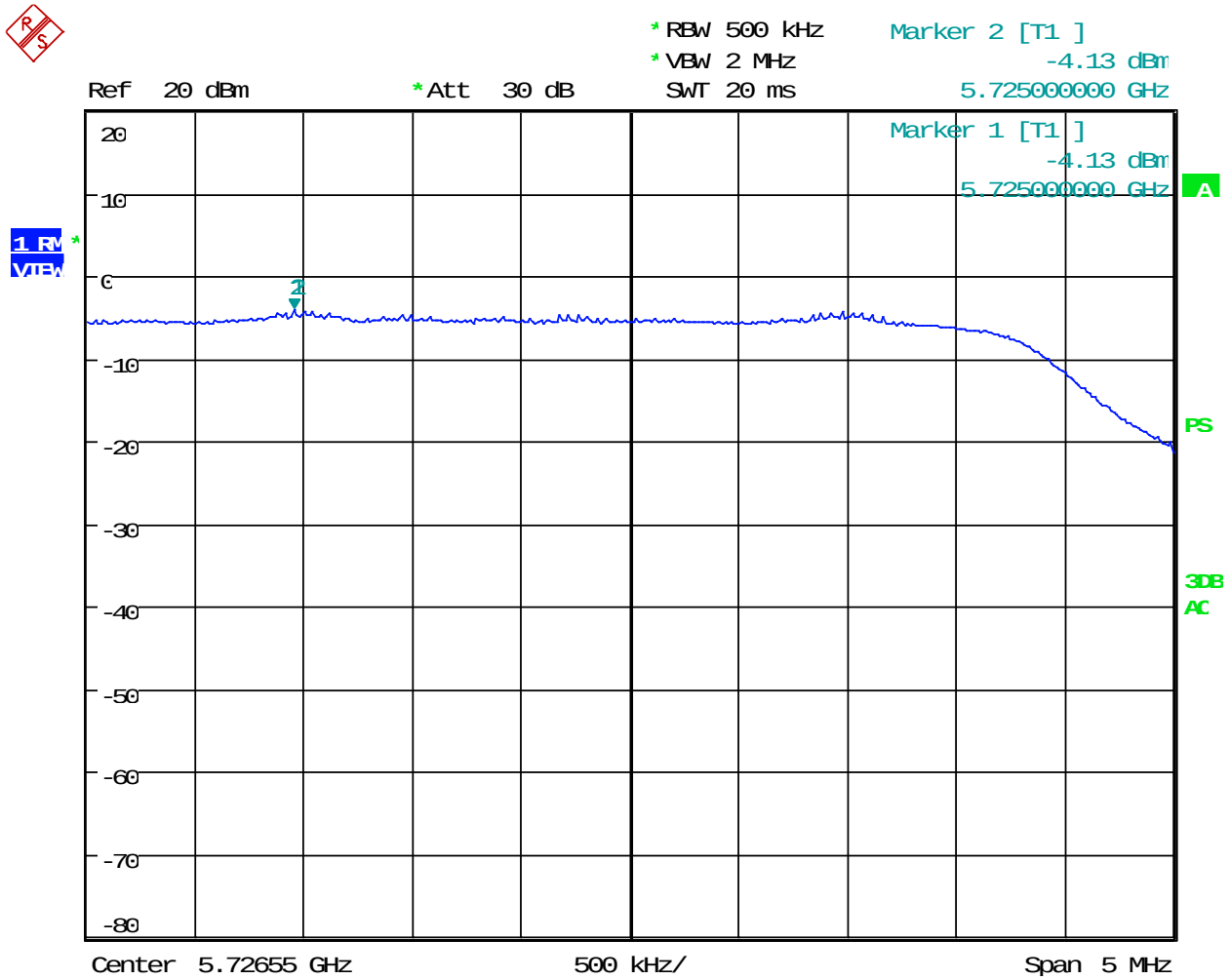


UNII 3 Port 1: HT40





UNII 3, Port 1: HT80

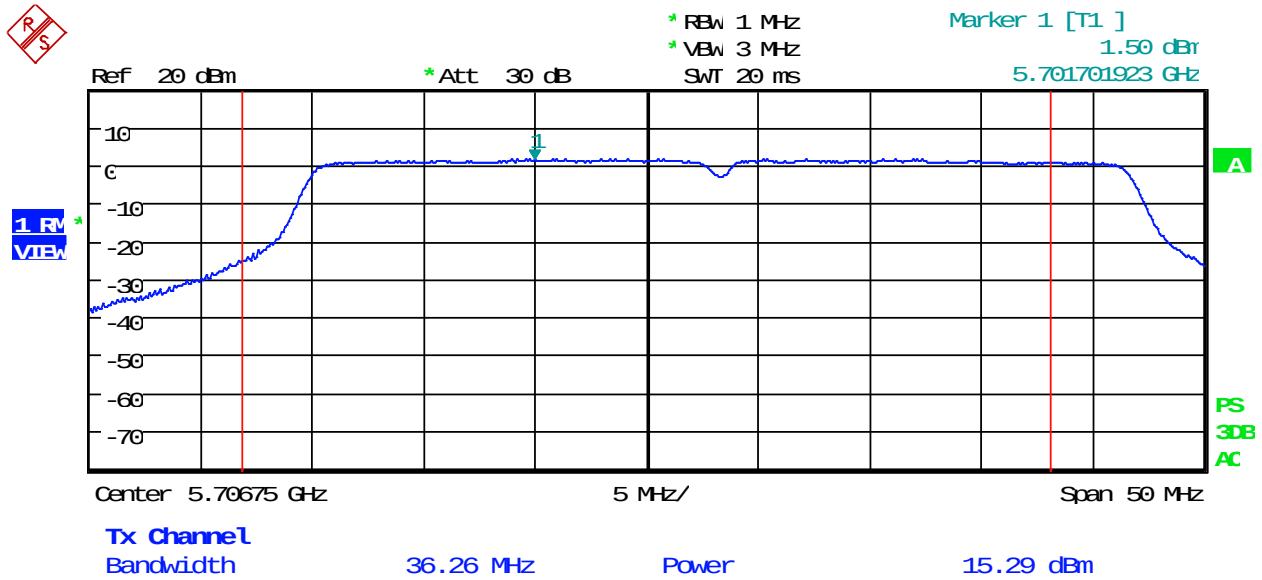




Order Number: F2P19923A

Applicant: PCTEL, Inc
FCC ID: NYPWIFIAP1200

UNII 2C, Port 2: HT40

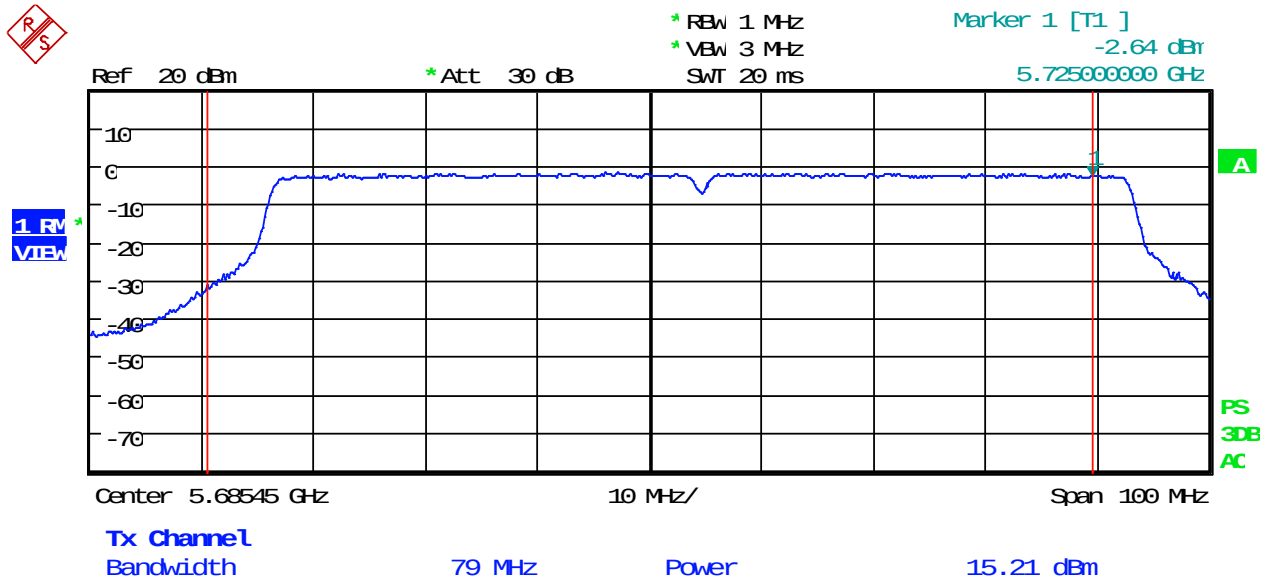




Order Number: F2P19923A

Applicant: PCTEL, Inc
FCC ID: NYPWIFIAP1200

UNII 2C, Port 2: HT80

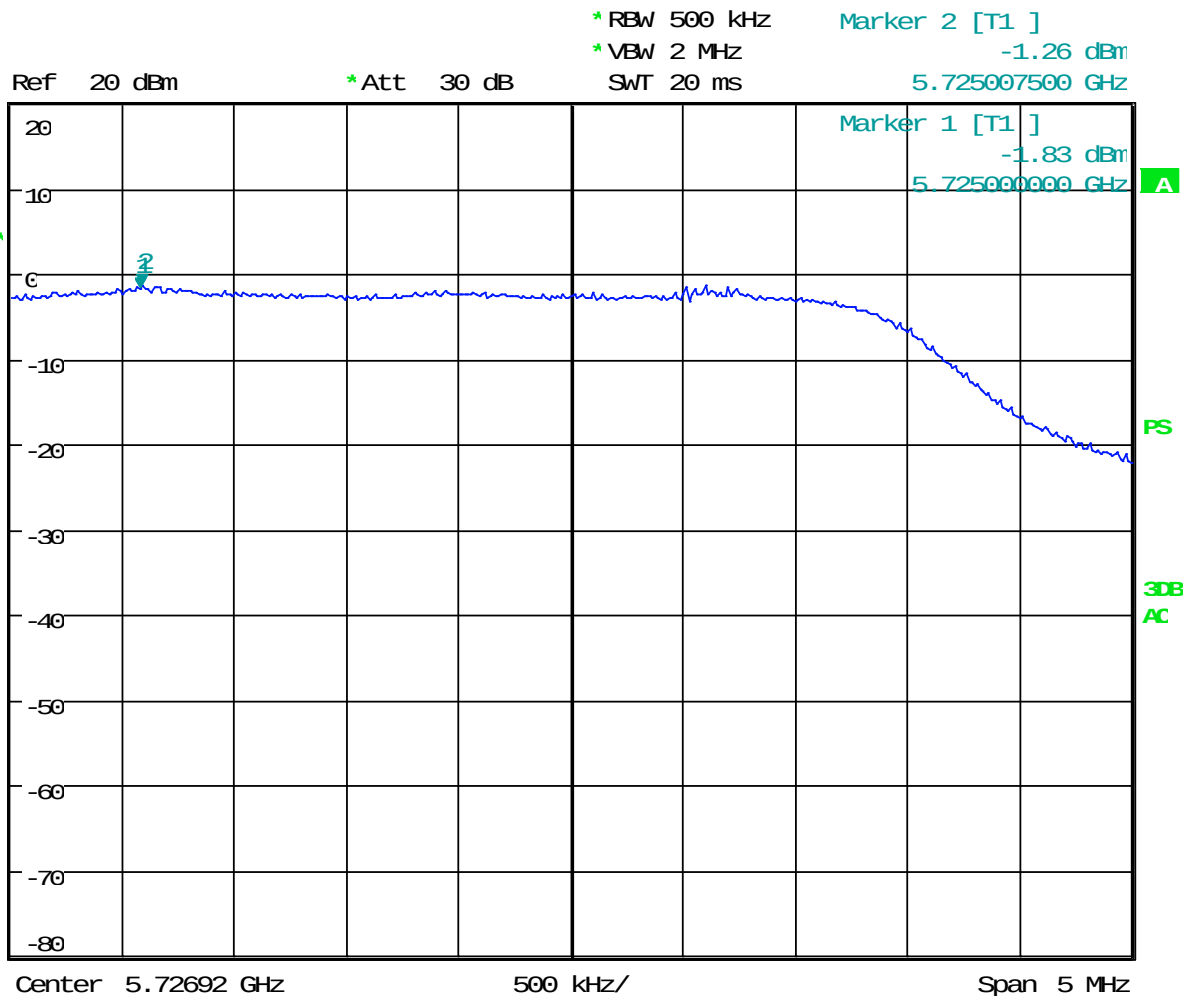




UNII 3 Port 2: HT40



1 RV
VIEW

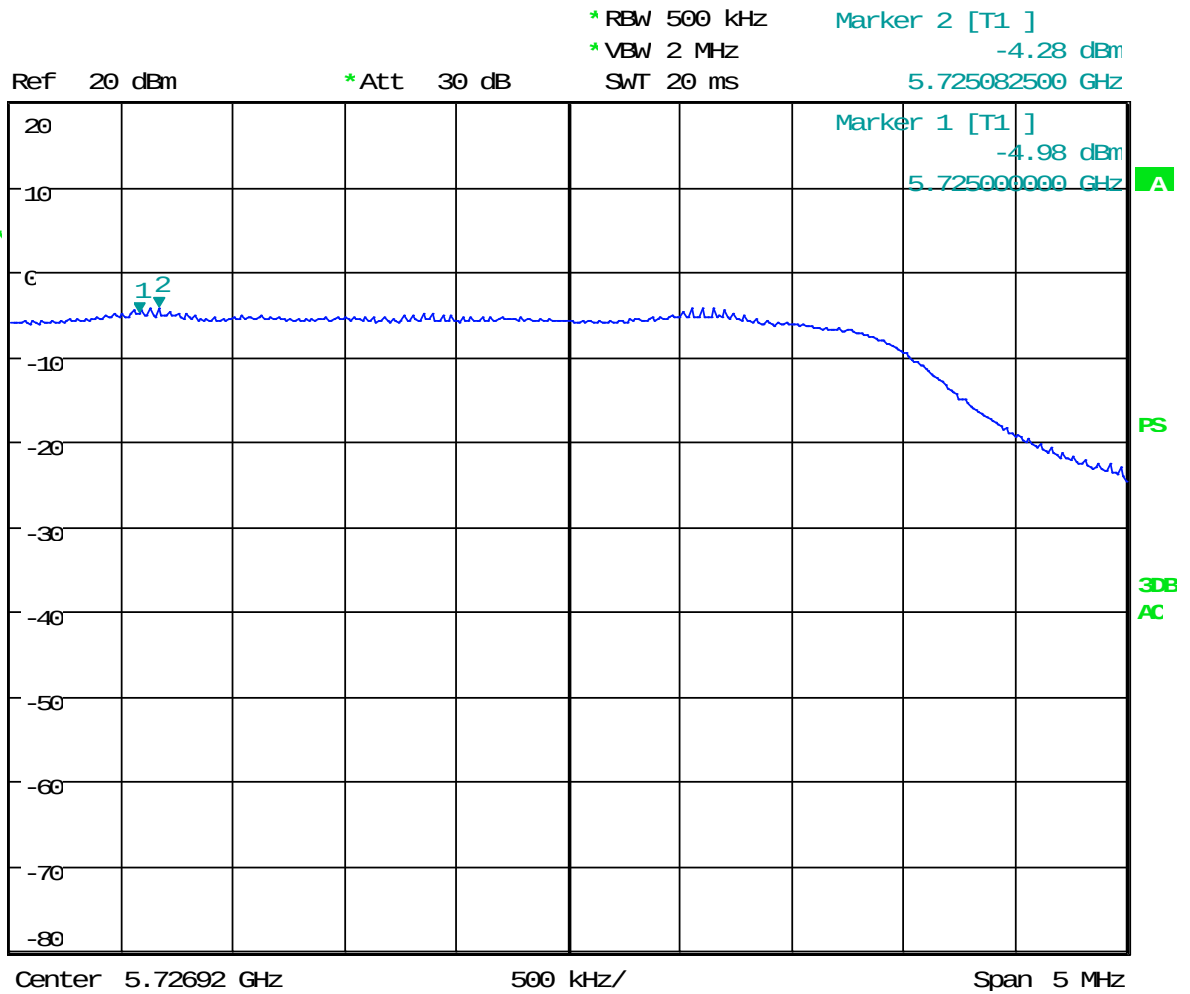




UNII 3, Port 2: HT80



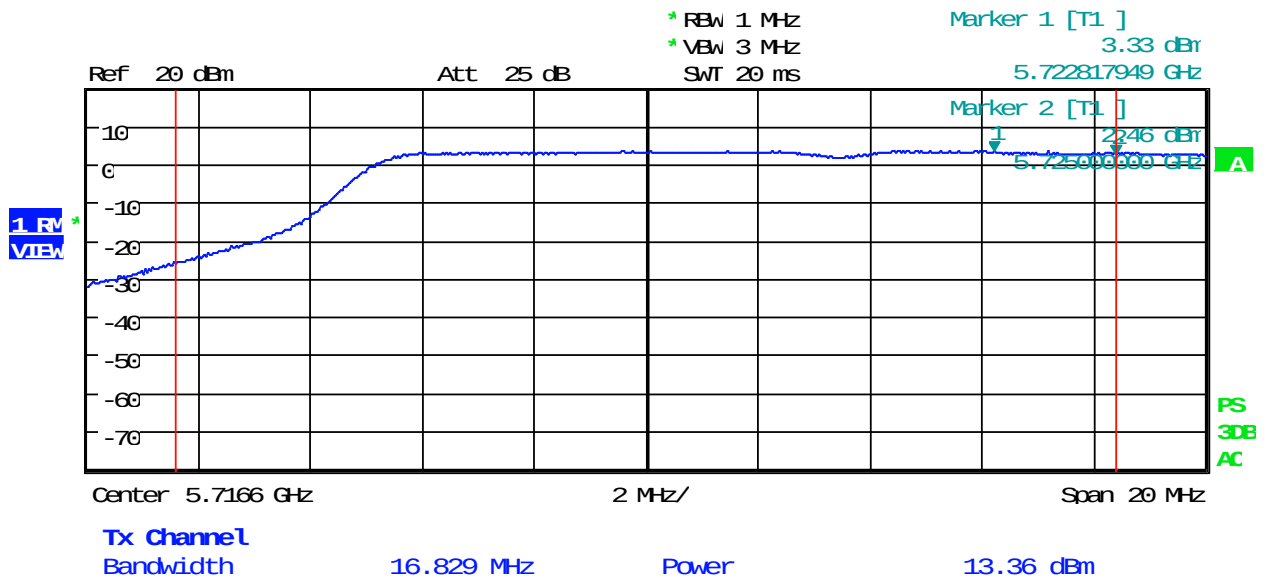
1. FM
VIEW





Test Date(s):	2021-11-10	Test Engineer:	J. Chiller
Standards:	CFR 47 Part 15.407(a)(1,3); KDB789033	Air Temperature:	21.3°C

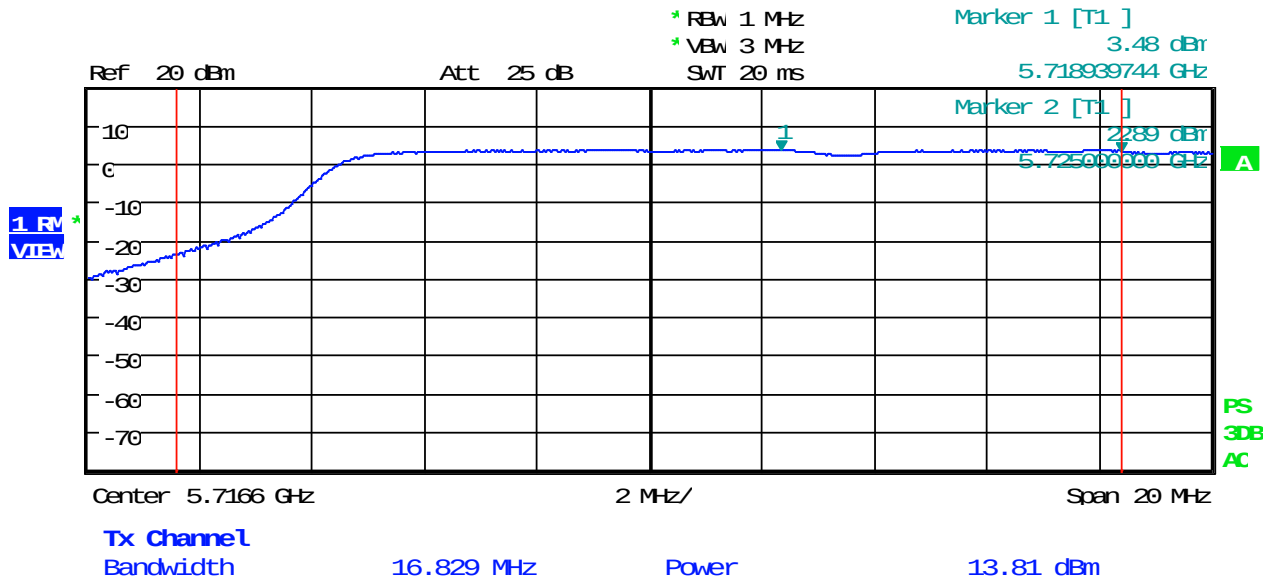
REDUCED FOR WHEN BEAMFORMING
(Required to meet PSD requirement when Beamforming)

UNII 2C, Port 1: OFDM

Date: 10.NOV.2021 11:50:53



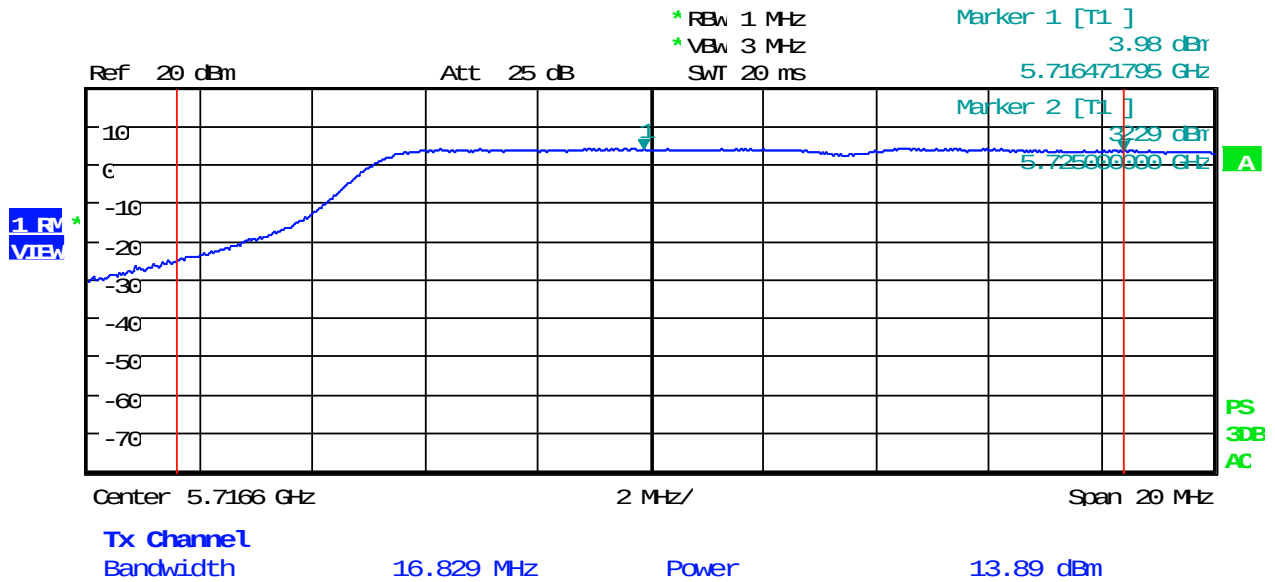
UNII 2C, Port 1: HT20



Date: 10.NOV.2021 11:54:46



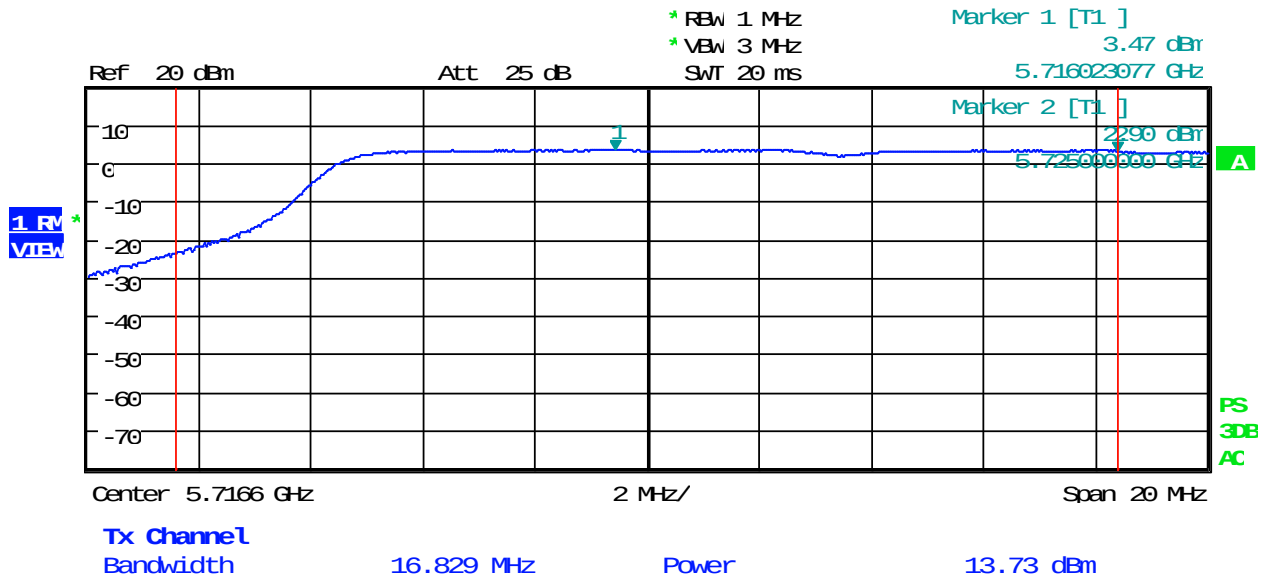
UNII 2C, Port 2: OFDM



Date: 10.NOV.2021 12:00:30



UNII 2C, Port 2: HT20



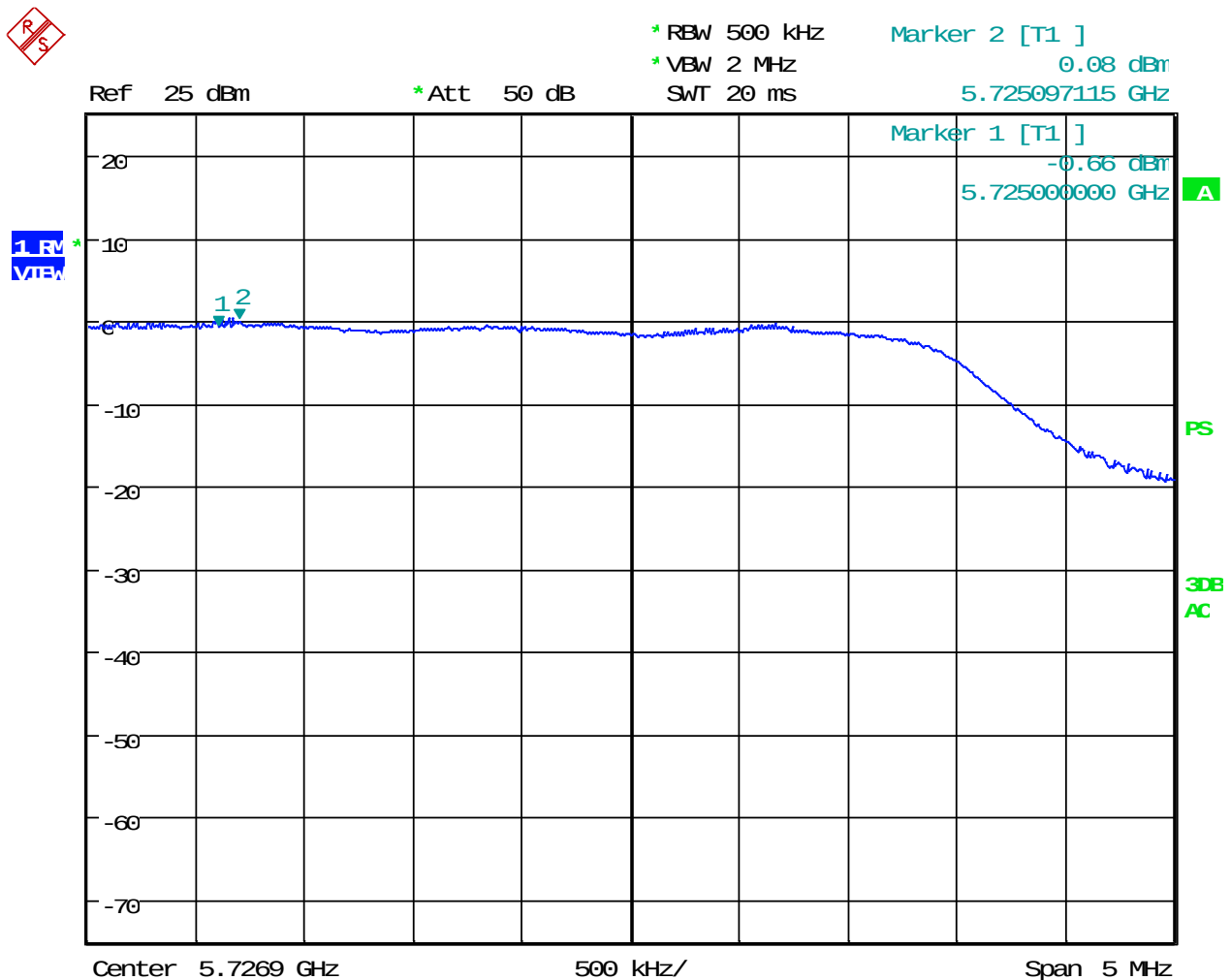
Date: 10.NOV.2021 11:59:20



Test Date(s):	2022-03-29	Test Engineer:	J. Chiller
Standards:	CFR 47 Part 15.407(a)(1,3); KDB789033	Air Temperature:	21.3°C

REDUCED FOR WHEN BEAMFORMING
(Required to meet PSD requirement of UNII-2C when Beamforming)

UNII 3, Port 1: OFDM



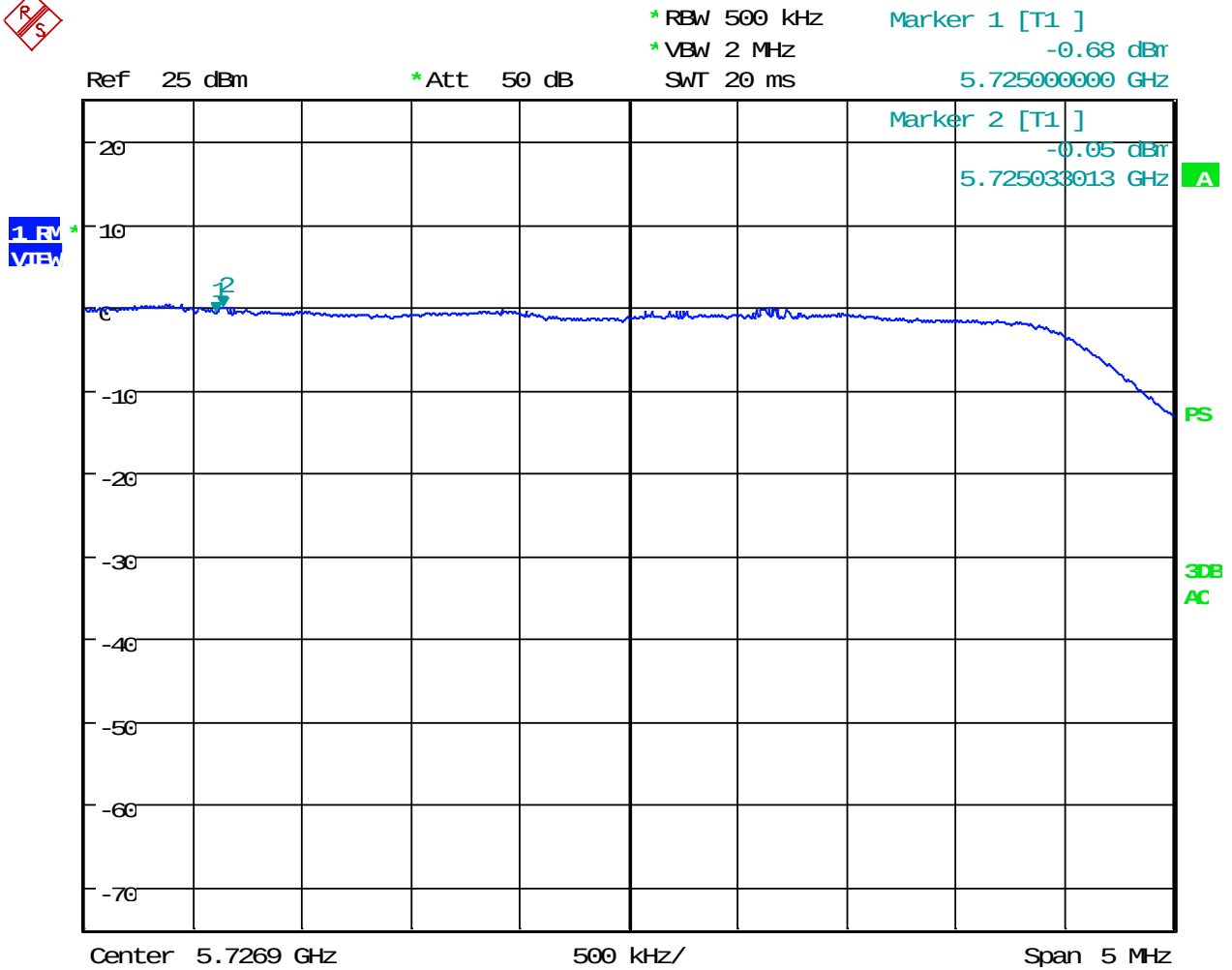
Date: 29.MAR.2022 13:13:22



Order Number: F2P19923A

Applicant: PCTEL, Inc
FCC ID: NYPWIFIAP1200

UNII 3, Port 1: HT20



Date: 29.MAR.2022 13:18:19



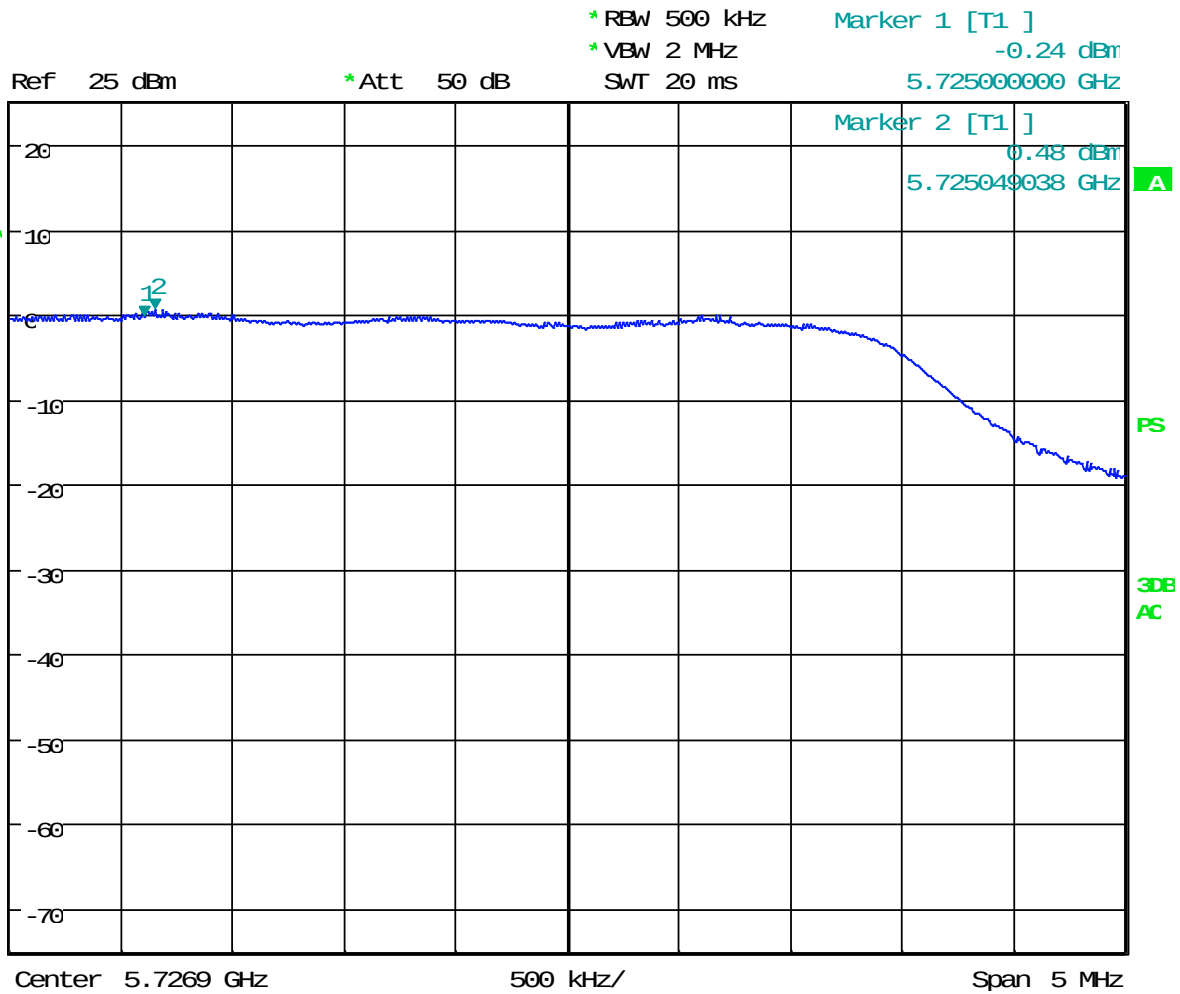
Order Number: F2P19923A

Applicant: PCTEL, Inc
FCC ID: NYPWIFIAP1200

UNII 3, Port 2: OFDM



1 RM
VIEW



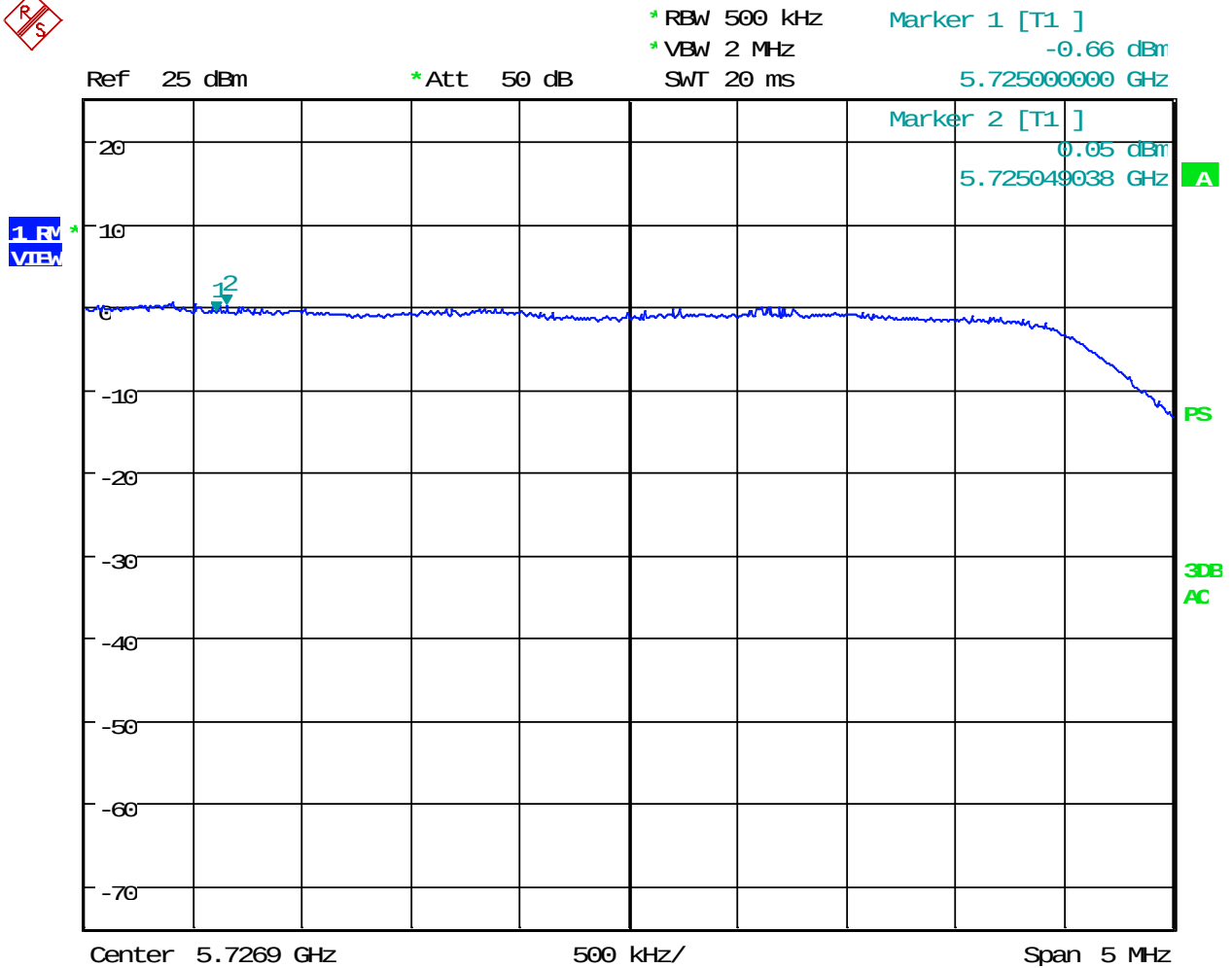
Date: 29.MAR.2022 13:23:48



Order Number: F2P19923A

Applicant: PCTEL, Inc
FCC ID: NYPWIFIAP1200

UNII 3, Port 2: HT20



Date: 29.MAR.2022 13:21:45



10 RADIATED SPURIOUS EMISSION

The EUT antenna port was fitted with its integral/internal chip antenna. Radiated emissions were measured in a Semi-Anechoic Chamber. All emissions generated that fall in the restricted bands per FCC Part 15.205 were examined.

10.1 Requirements:

All emissions that fall in the restricted bands defined in FCC Part 15.205 shall not exceed the maximum field strength listed in FCC Part 15.209(a).

All other undesirable emission that do not fall under the provisions of Part 15.205, shall meet the following limits:

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.*
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.*
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.*
- (4) For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.*



10.2 Radiated Spurious Emission Test Data

Test Date(s):	2021-10-12	Test Engineer:	J. Chiller
Standards:	CFR 47 Part 15.407; Part 15.209 / KDB789033	Air Temperature:	22.8°C
		Relative Humidity:	39%

Notes: Plots are peak, max hold prescan data included only to determine what frequencies to investigate and measure. The EUT was initially placed in a semi-anechoic chamber, and rotated in all three orthogonal positions to maximize the emissions. The orthogonal position that showed the highest emissions was used. Characterization measurements were then performed to determine at which frequencies significant emissions occurred. These graphs are shown below.

The equipment was fully exercised with all cabling attached to the EUT and was positioned in a semi-anechoic chamber for maximum emissions. All antennas were mounted and all transmitters were on and transmitting at the same time to set worst-case Radiated Emissions and Beamforming due to MIMO configuration. While the equipment was energized, the receiving antenna was scanned from 1.0 meter to 4.0 meters in both vertical and horizontal polarities while the turntable was adjusted 360 degrees to determine the maximum field strength. The tables of measured results can be found below.

Some of the frequencies did not change with the EUT on or off. At those frequencies, the test distance was shortened to 1 meter and still no emissions from the EUT were visible or over the ambient or limit.

In the following plots, emissions to be found by the EUT were measured and listed in tables. The black lines are active scans while the green lines are the max peak scan of the unit during rotations. The plots are for reference only and the limit lines are not actual limit lines but merely a guide.

Limits are indicated as follows:

Solid Red = 15.407 Peak

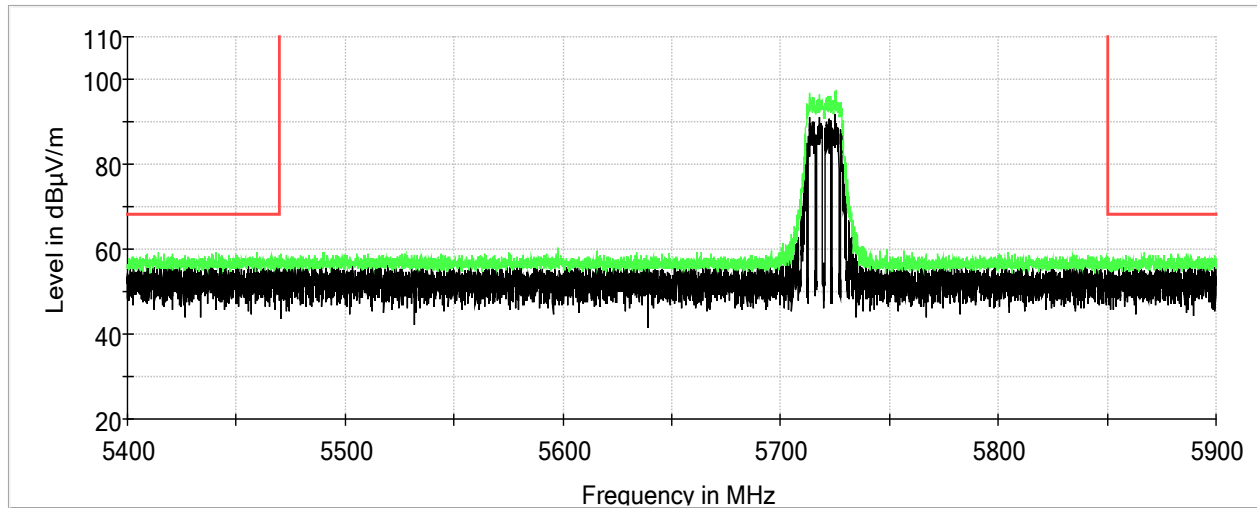
Green = Restricted Band Avg

Blue = Restricted Band Peak

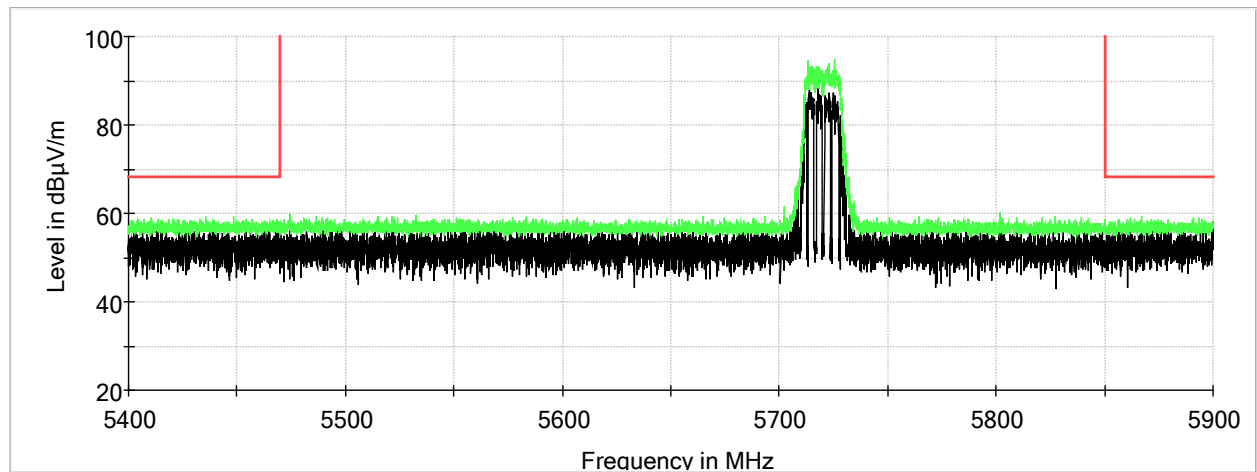
In the UNII-1 (5.15-5.25 GHz) band, UNII-2A (5.25-5.35 GHz) band, and lower end of the UNII-2C (5.47-5.725 GHz) band, there are restricted bands that applies from 4.5-5.15 GHz, and from 5.35-5.46 GHz. In these restricted bands, the limits are 54 dBuV/m Avg and 74 dBuV/m Peak.



HT20 Radiated Band Edge: Vertical

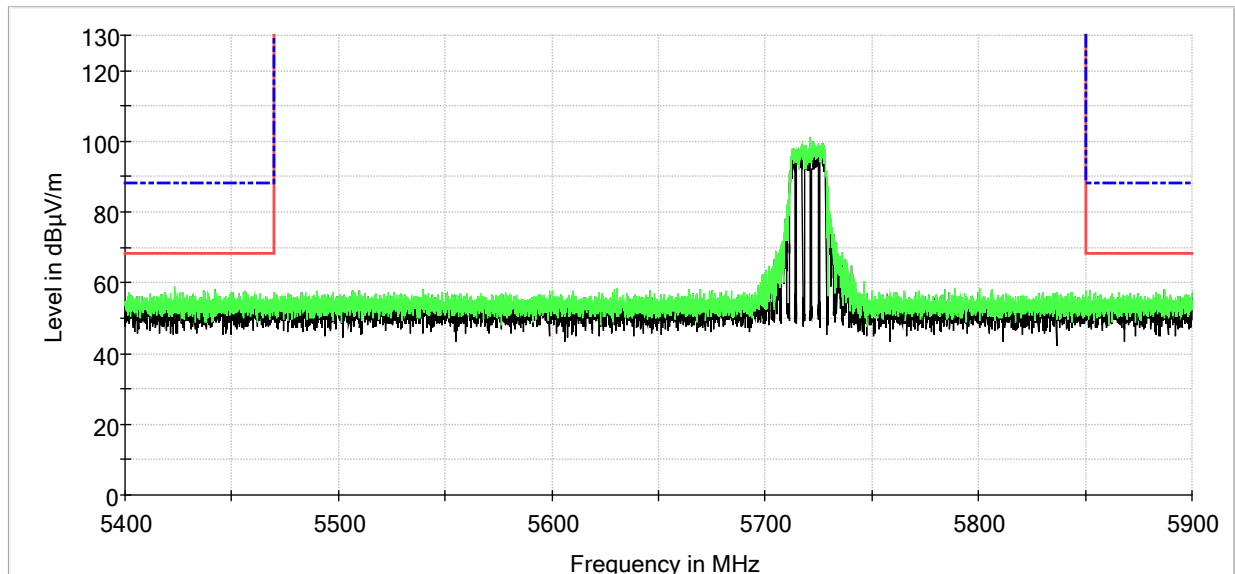


HT20 Radiated Band Edge: Horizontal

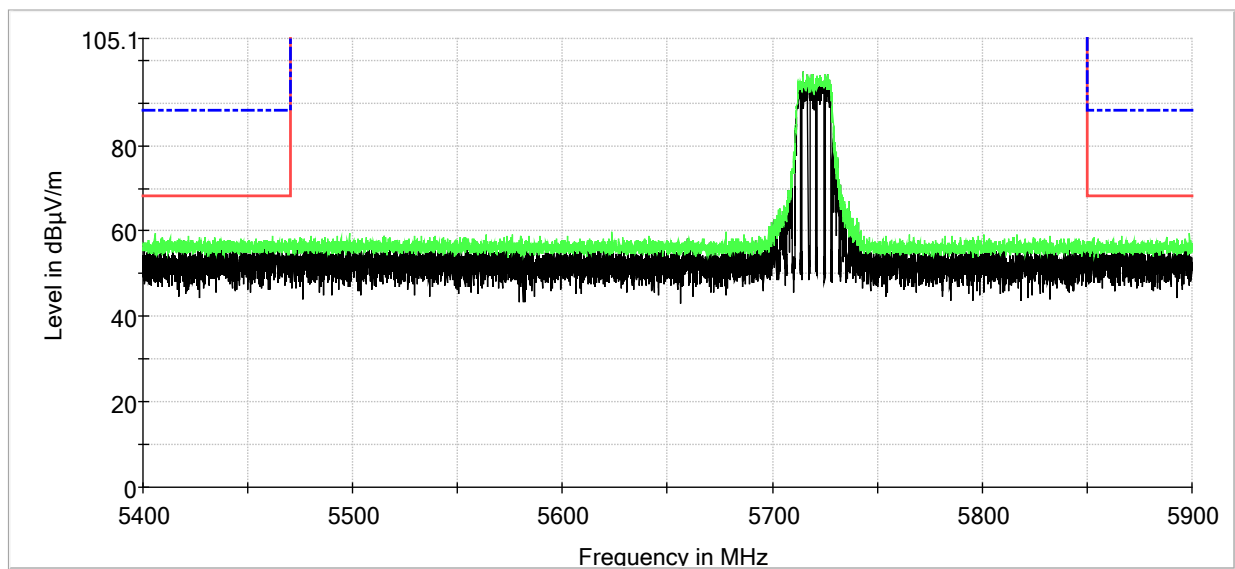




OFDM Radiated Band Edge: Vertical

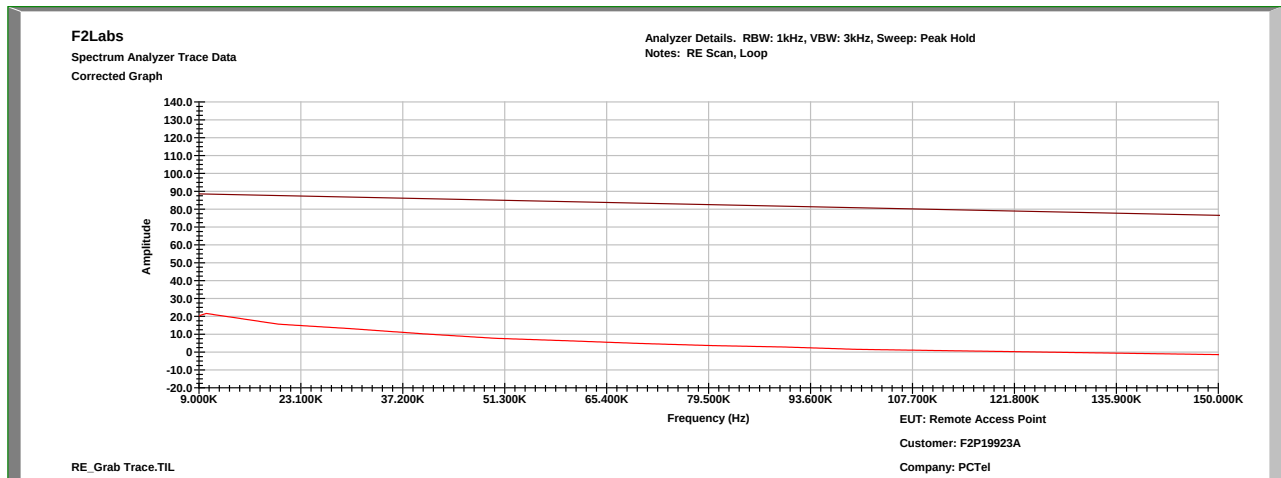


OFDM Radiated Band Edge: Horizontal

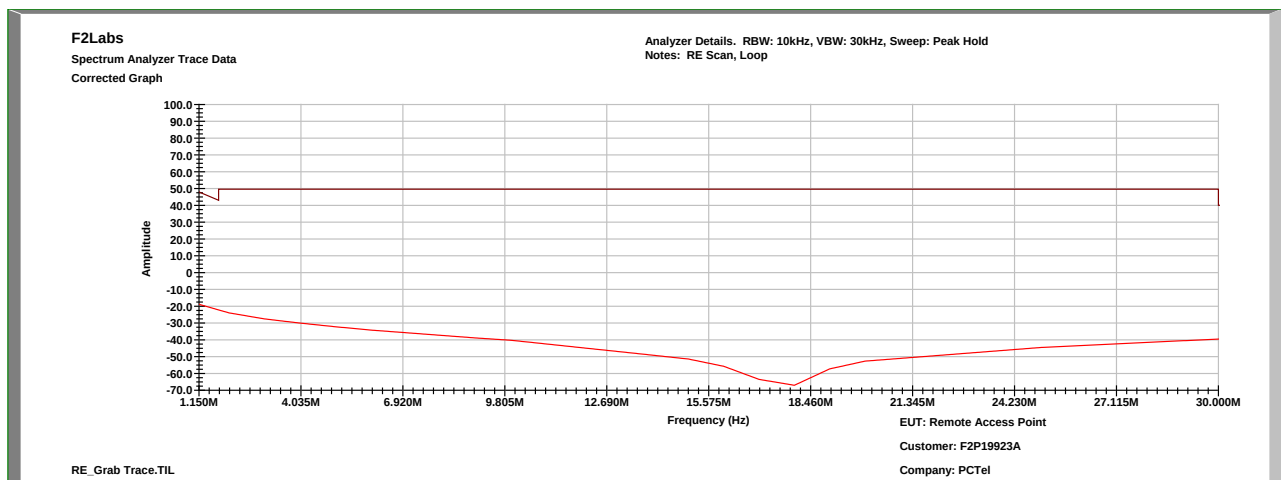




Radiated Spurious Emissions: 0.009 MHz to 0.15 MHz

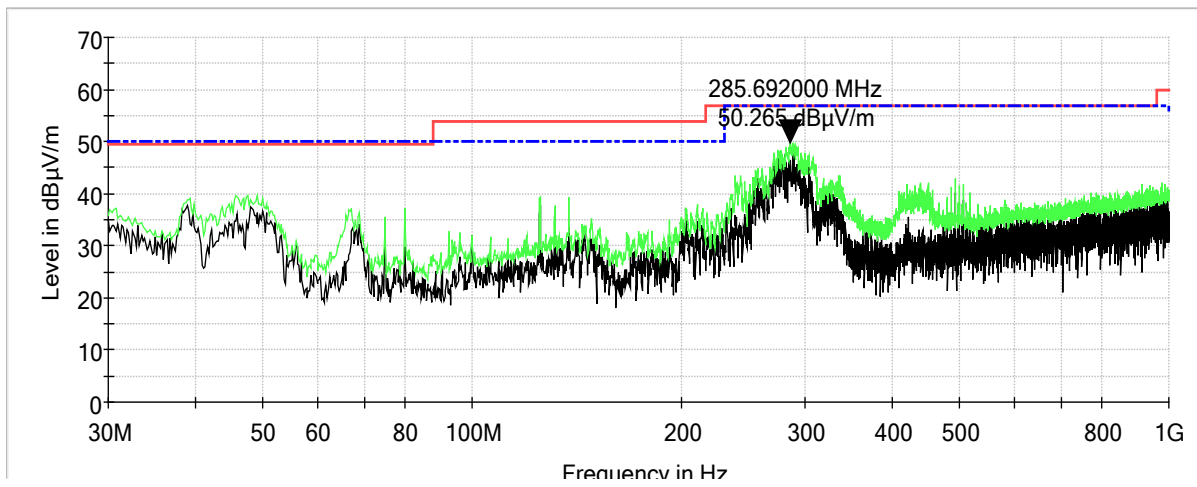


Radiated Spurious Emissions: 0.15MHz to 30.0 MHz

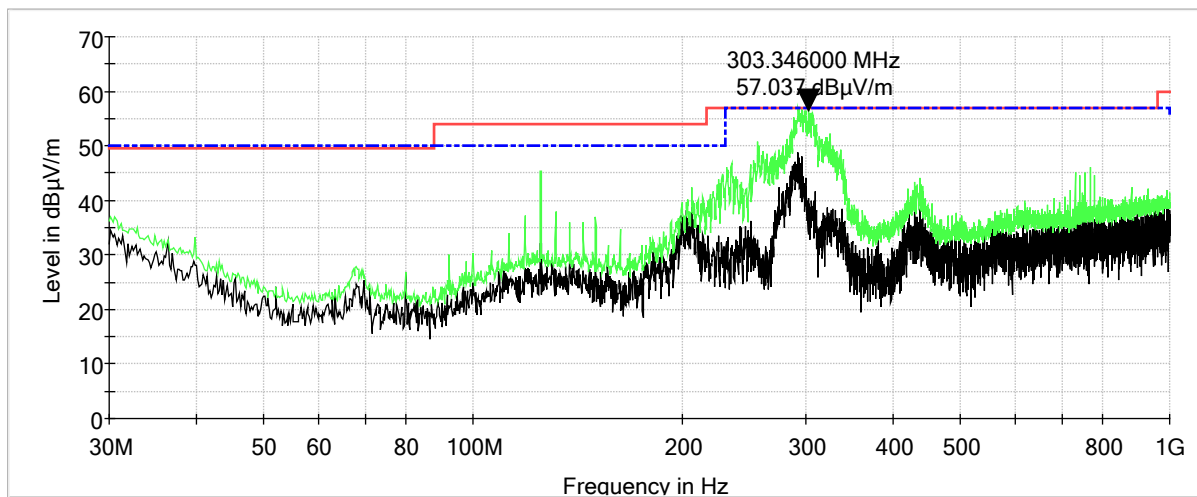




Radiated Spurious Emissions: 30 MHz to 1000 MHz, Vertical



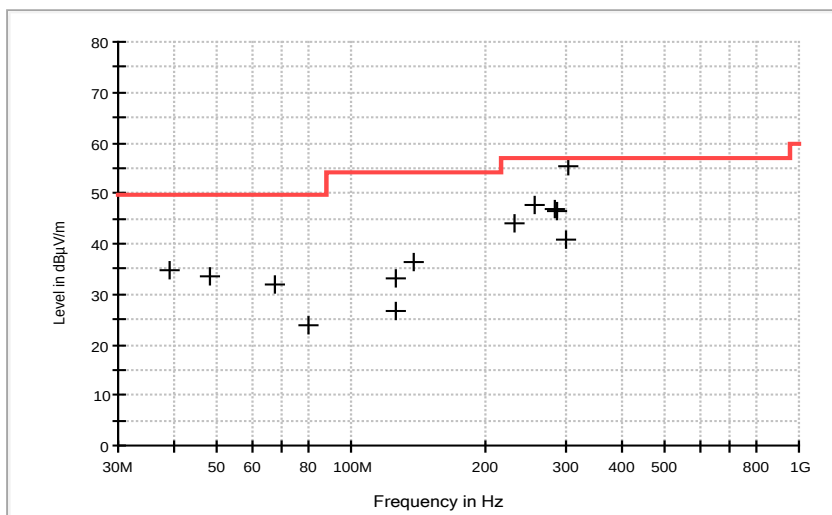
Radiated Spurious Emissions: 30 MHz to 1000 MHz, Horizontal





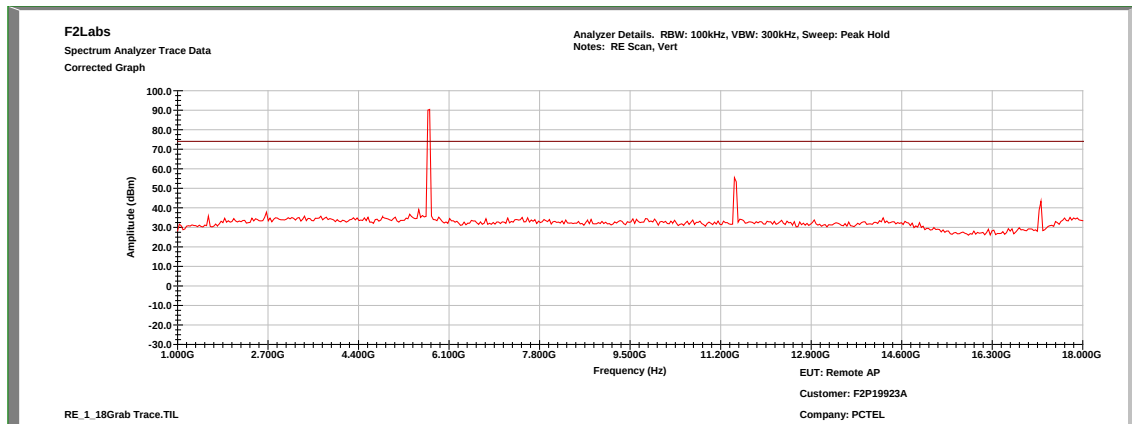
Measurements from all Modulations, 30 MHz to 1000 MHz

Frequency (MHz)	Ant. Pol.	Antenna Height (cm)	Azimuth (degrees)	Reading (dBμV)	Corr. Factors (dB)	Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
38.920000	V	100.00	180.00	36.3	-1.6	34.70	49.6	-14.9
48.040000	V	100.00	51.00	41.1	-7.4	33.70	49.6	-15.9
67.050000	V	100.00	32.00	40.2	-8.3	31.90	49.6	-17.7
79.860000	V	100.00	335.00	32.5	-8.5	24.00	49.6	-25.6
124.870000	H	100.00	0.00	28.1	-1.6	26.50	54.0	-27.5
125.060000	V	100.00	22.00	34.6	-1.6	33.00	54.0	-21.0
137.480000	V	100.00	289.00	38.2	-1.9	36.30	54.0	-17.7
231.370000	H	100.00	253.00	47.2	-3.0	44.20	56.9	-12.7
256.200000	H	100.00	231.00	50.1	-2.3	47.80	56.9	-9.1
285.690000	V	100.00	12.00	47.2	-0.5	46.70	56.9	-10.2
288.800000	V	100.00	33.00	46.9	-0.5	46.40	56.9	-10.5
299.850000	V	100.00	25.00	41.4	-0.4	41.00	56.9	-15.9
303.350000	H	100.00	227.00	55.6	-0.2	55.40	56.9	-1.5

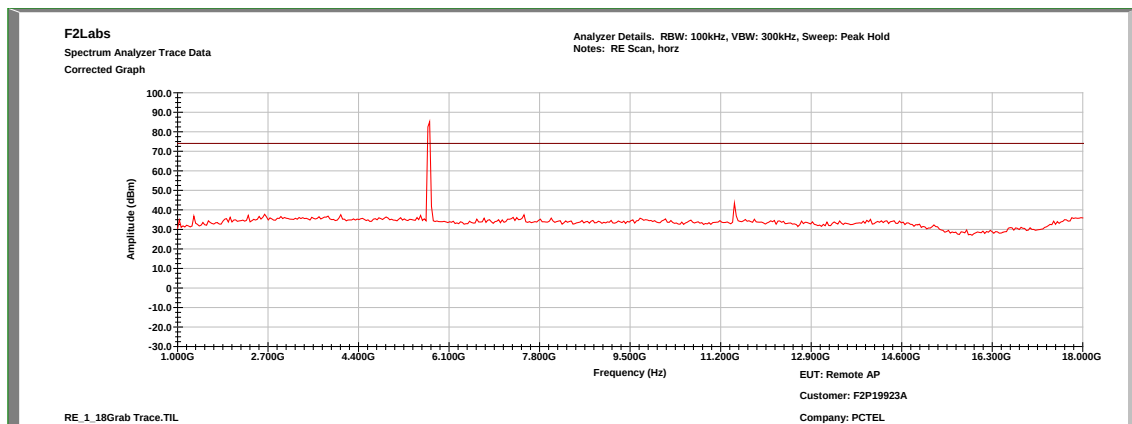




Radiated Spurious Emissions: 1 GHz to 18 GHz, Vertical

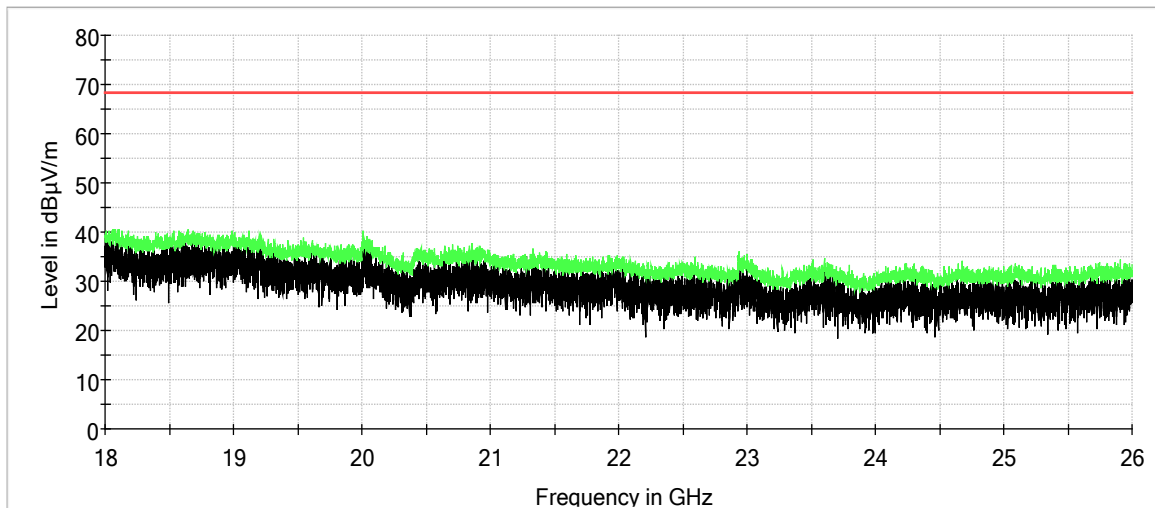


Radiated Spurious Emissions: 1 GHz to 18 GHz, Horizontal

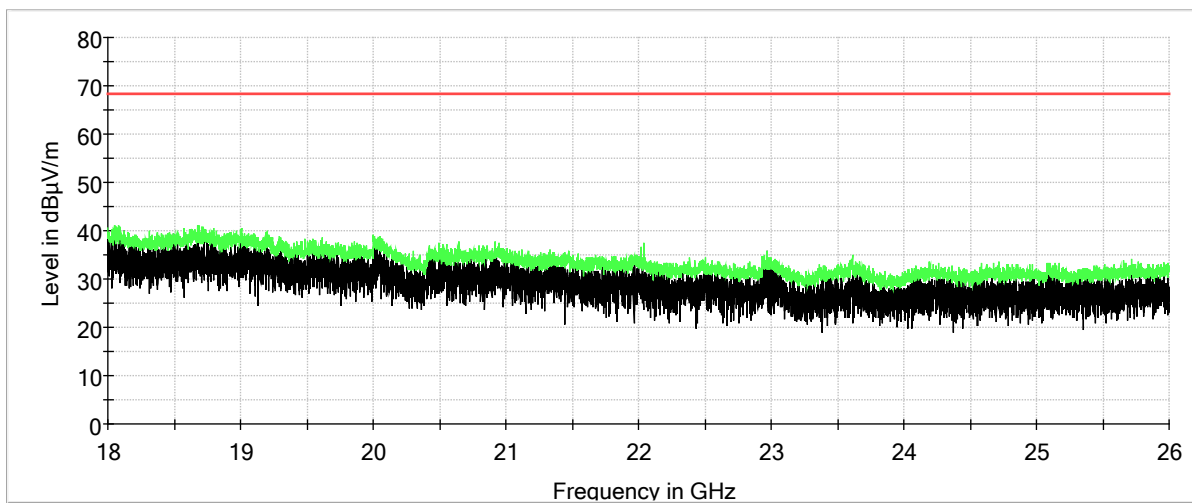




Radiated Spurious Emissions: 18 GHz to 26 GHz, Vertical

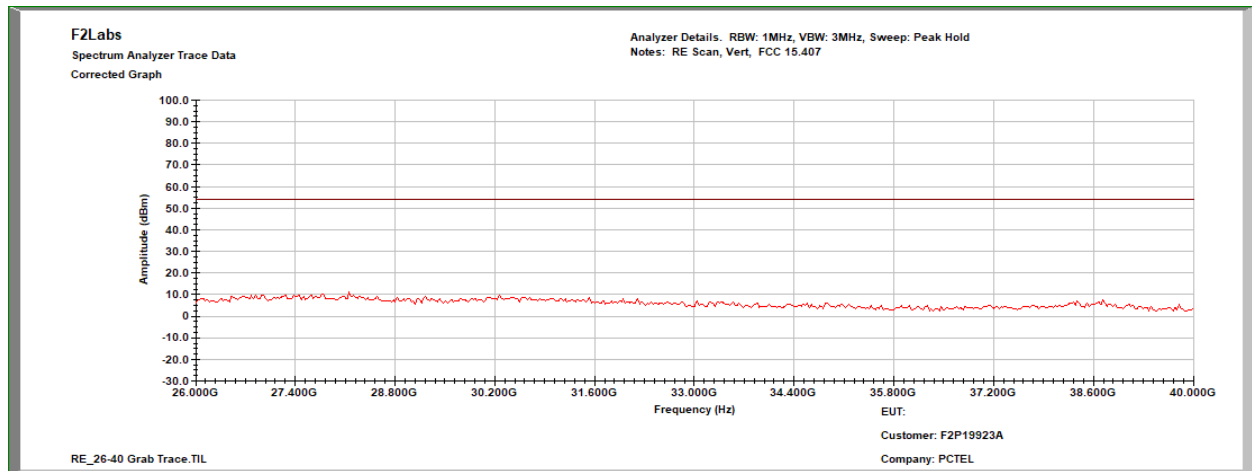


Radiated Spurious Emissions: 18 GHz to 26 GHz, Horizontal

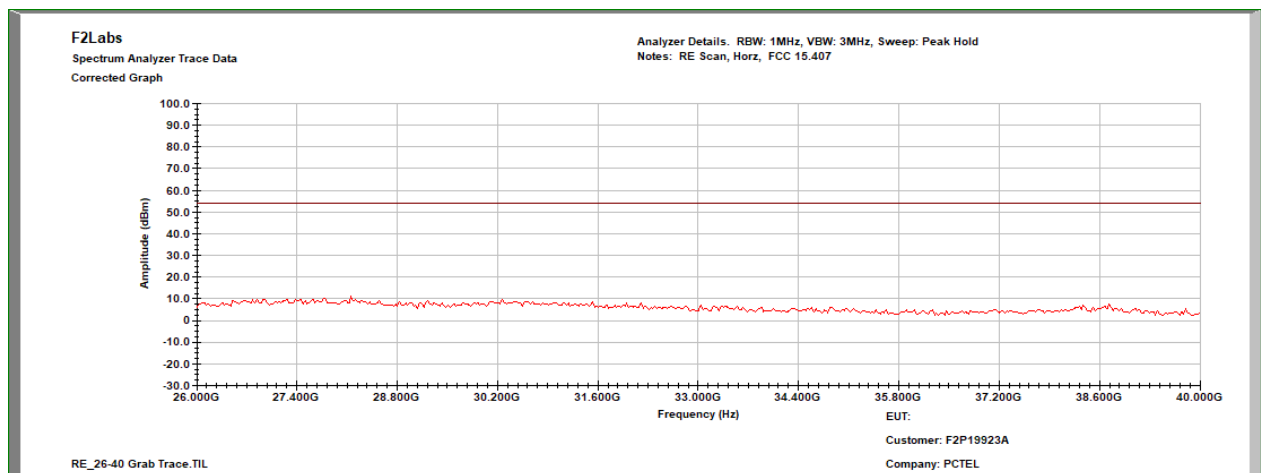




Radiated Spurious Emissions: 26 GHz to 40 GHz, Vertical

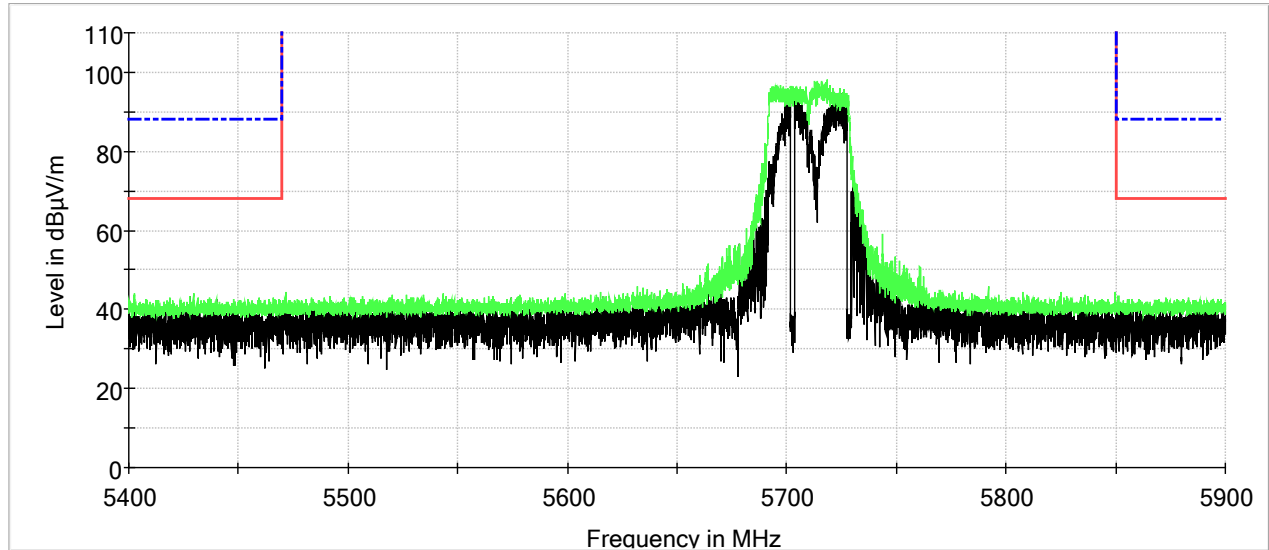


Radiated Spurious Emissions: 26 GHz to 40 GHz, Horizontal

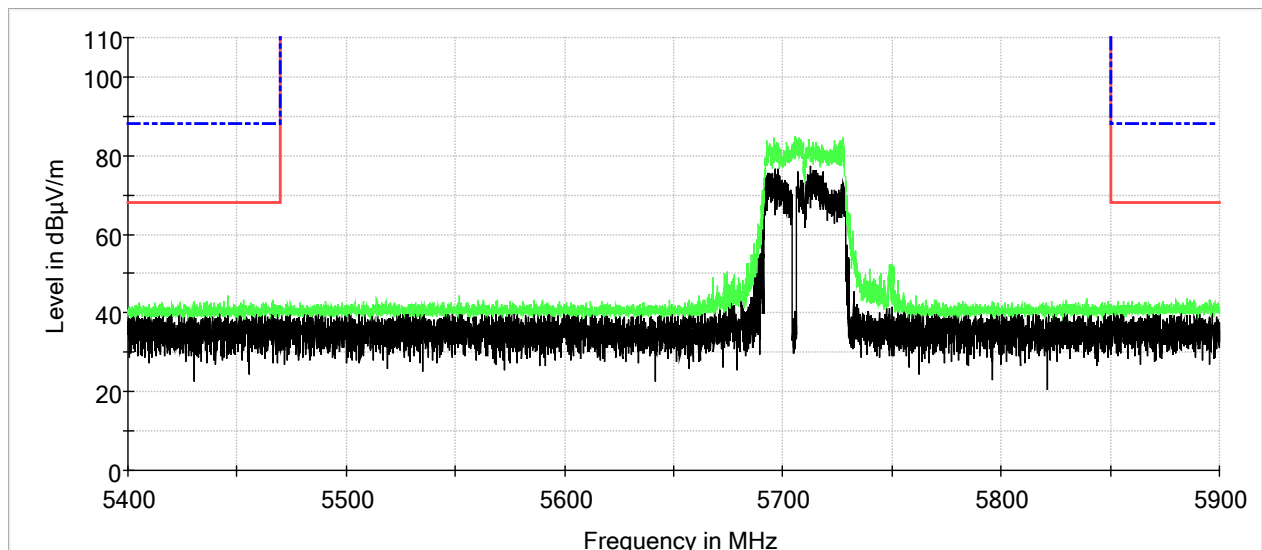




HT40, Radiated Band Edge: Vertical

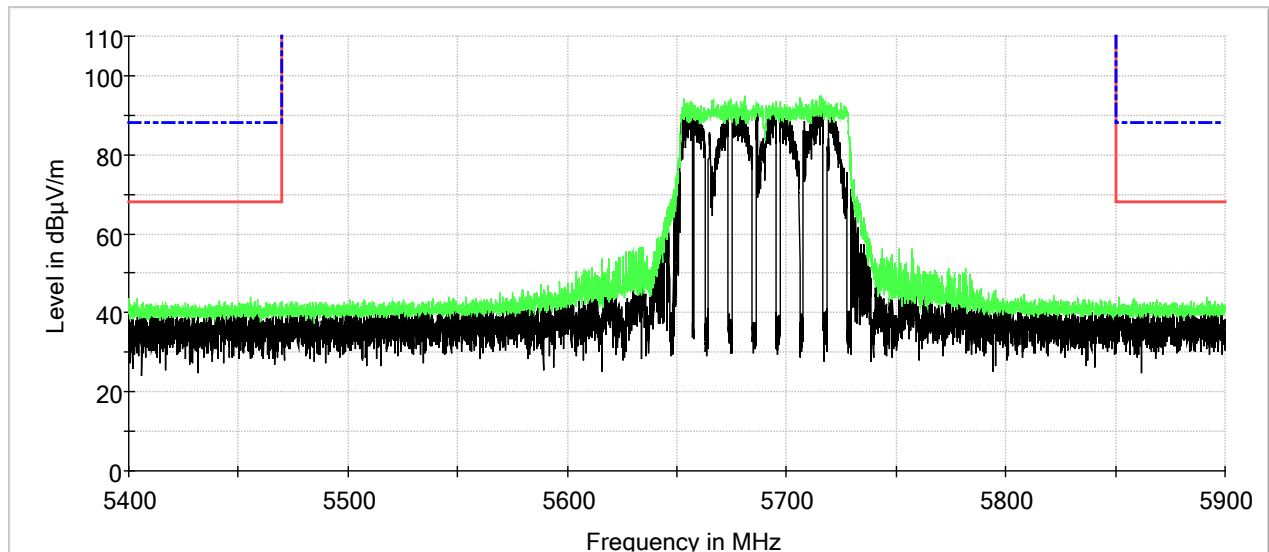


HT40, Radiated Band Edge: Horizontal

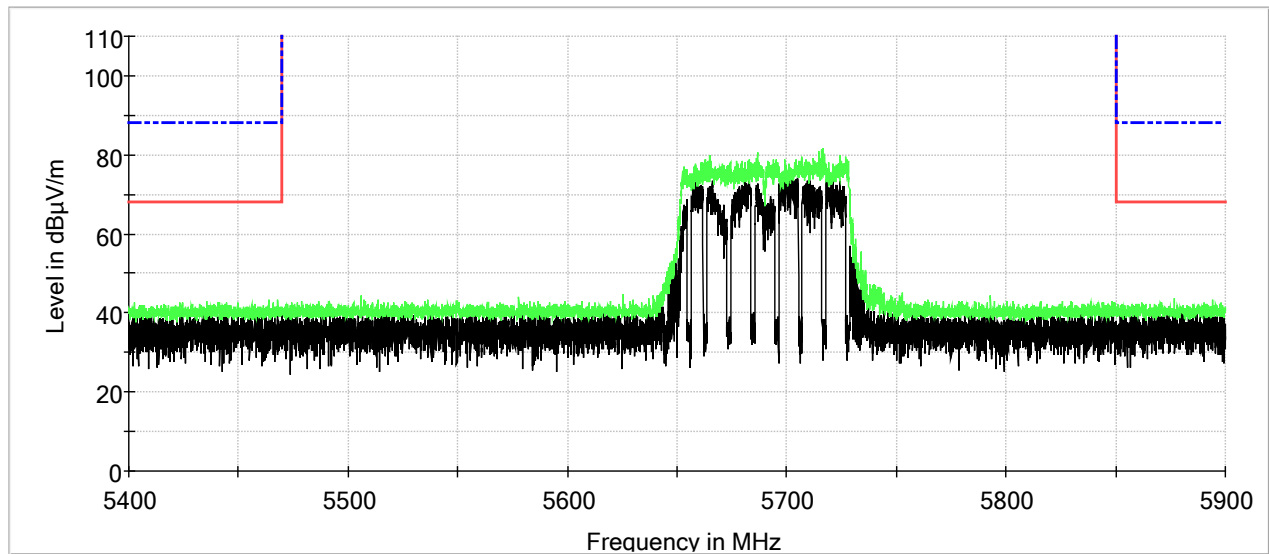




HT80, Radiated Band Edge: Vertical



HT80, Radiated Band Edge: Horizontal





11 CONDUCTED SPURIOUS EMISSIONS

The following tests were performed to demonstrate compliance.

RF Antenna Conducted Test

The EUT antenna ports were fitted with Type N connectors and directly connected to the input of the spectrum analyzer. Limit lines were adjusted to account for the 1dB over 6dBi gain of the antenna(s).

Test data presented is from Output Port 1, determined to be worst-case.

Summing and aggregation were not added to Conducted Spurious Emissions, as these were all more than 20dB below the limit and aggregation with antenna gain would only total 10dB to be added.

11.1 Requirements:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

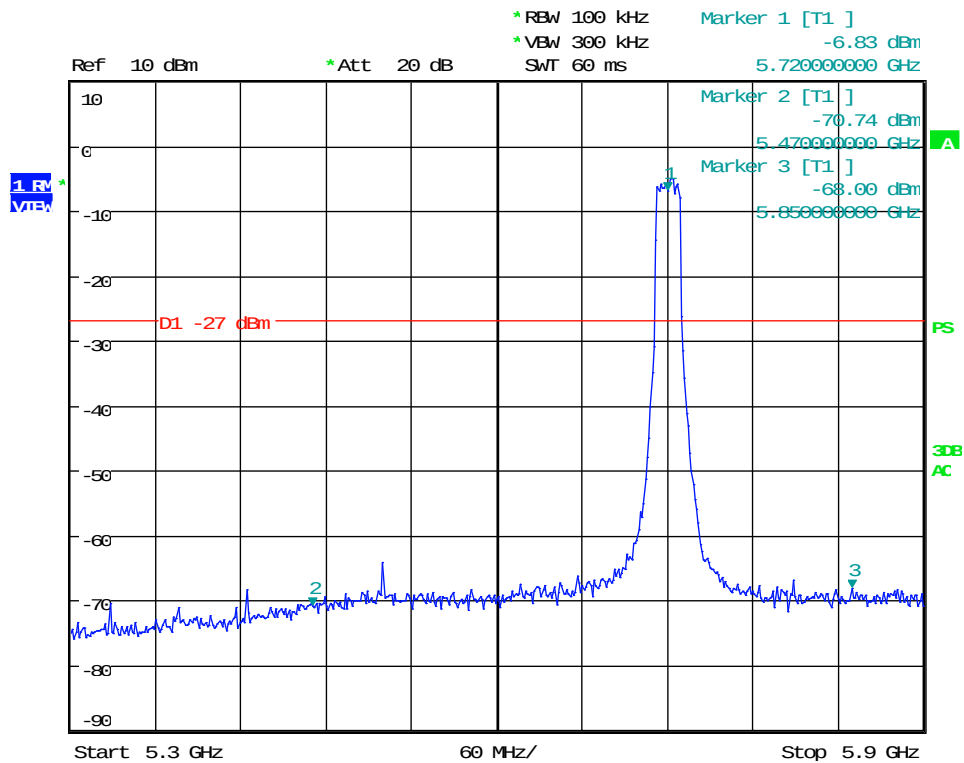
For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.



11.2 Conducted Spurious Emissions Test Data

Test Date(s):	2021-10-12	Test Engineer:	J. Chiller
Standards:	CFR 47 Part 15.407(b)(1,4)	Air Temperature:	21.6°C
		Relative Humidity:	38%

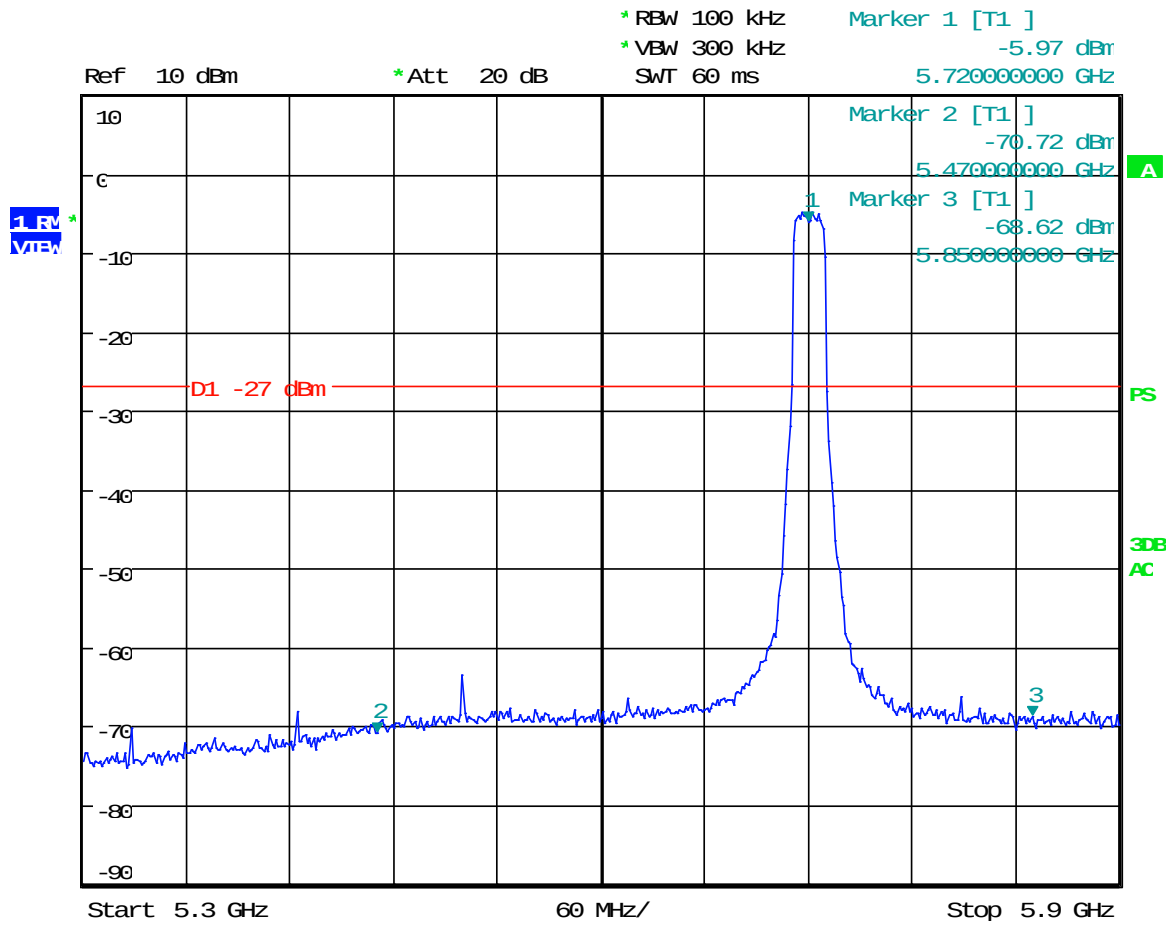
Port 1, OFDM: Band Edge



Date: 12.OCT.2021 16:40:48

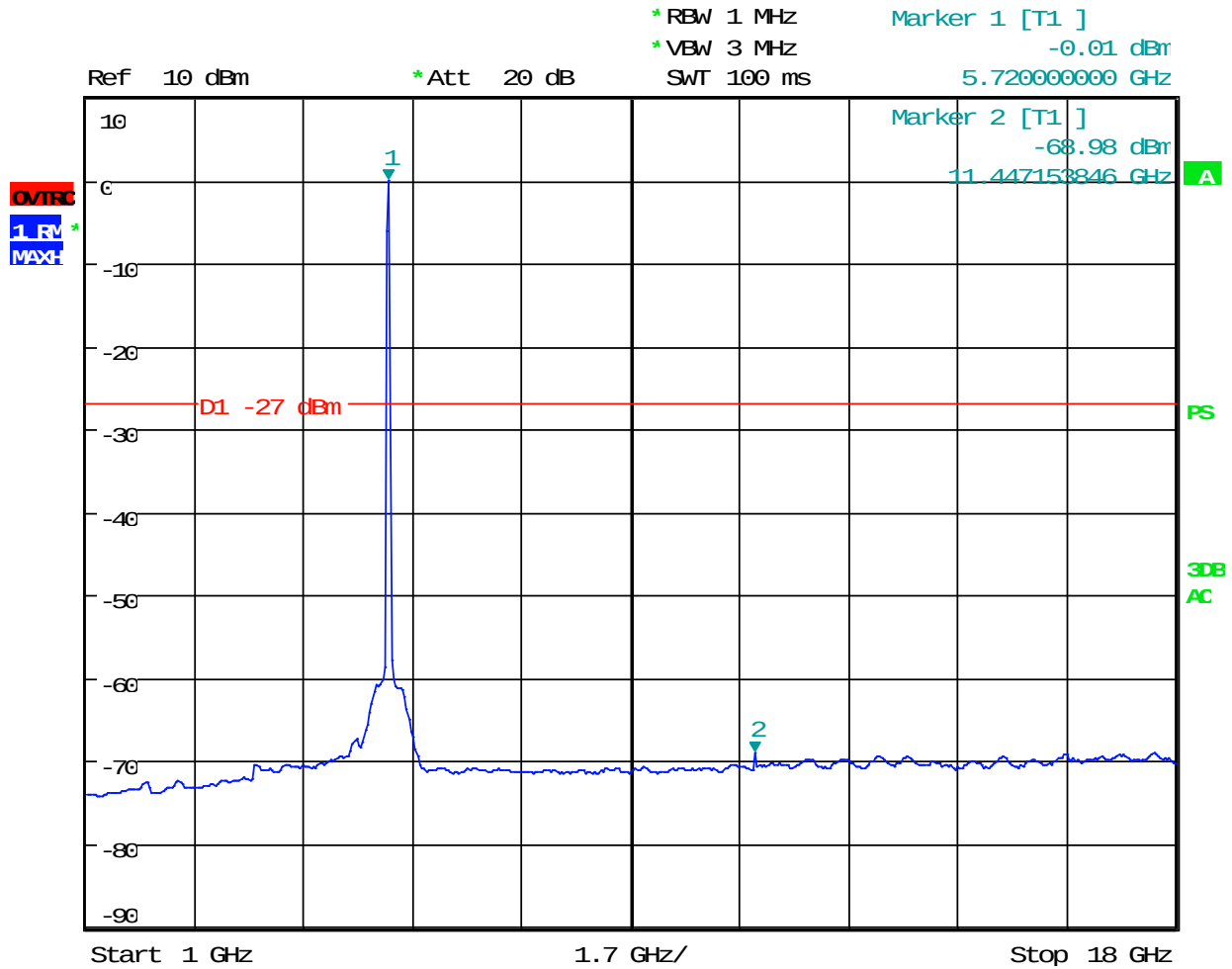


Port 1, HT20: Band Edge





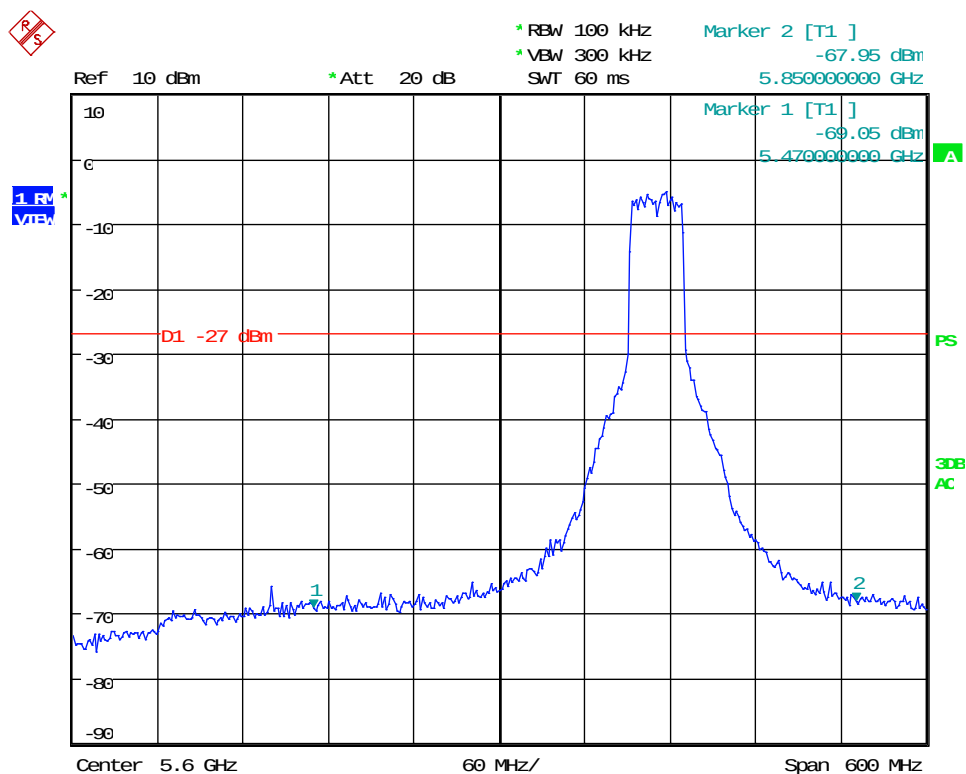
Port 1, Spurs



Date: 12.OCT.2021 17:00:56



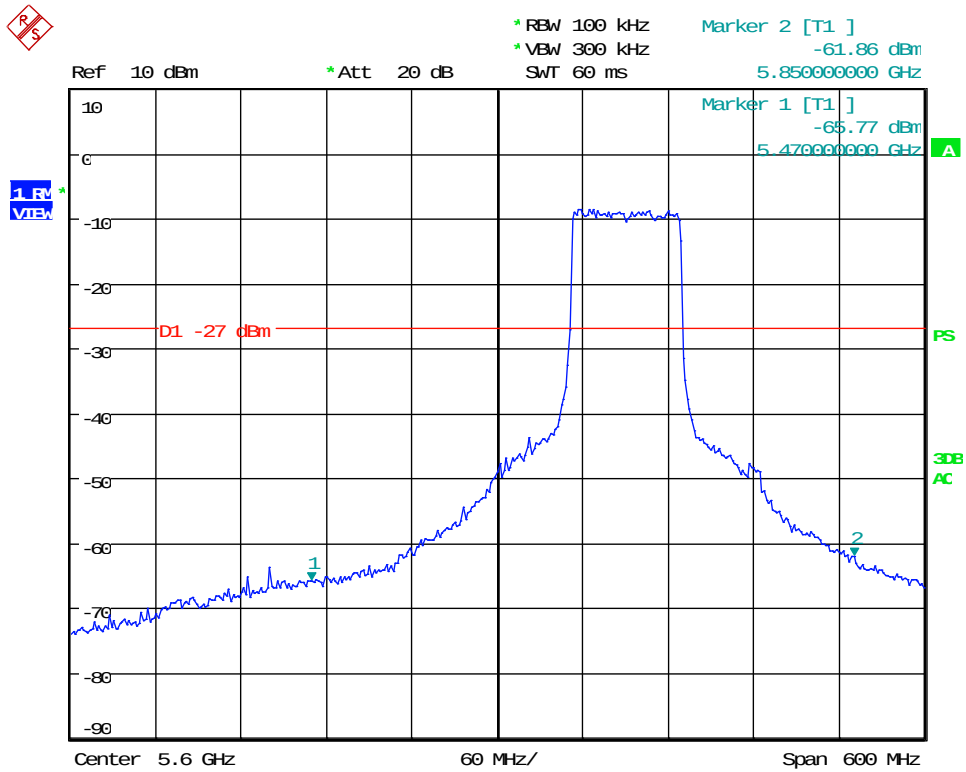
Test Date(s):	2022-01-05	Test Engineer:	J. Chiller
Standards:	CFR 47 Part 15.407(b)(1,4)	Air Temperature:	20.6°C
		Relative Humidity:	30%

Port 1, HT40: Band Edge

Date: 5.JAN.2022 16:00:42



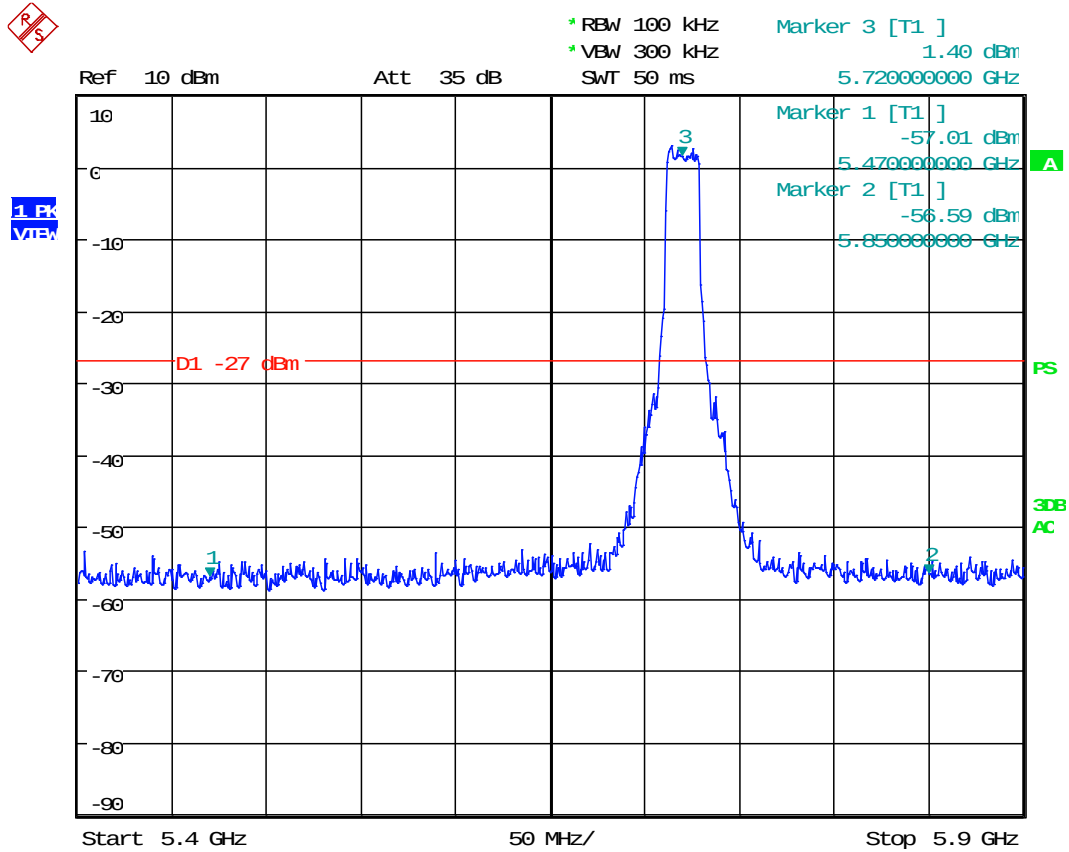
Port 1, HT80: Band Edge



Date: 5.JAN.2022 16:02:52



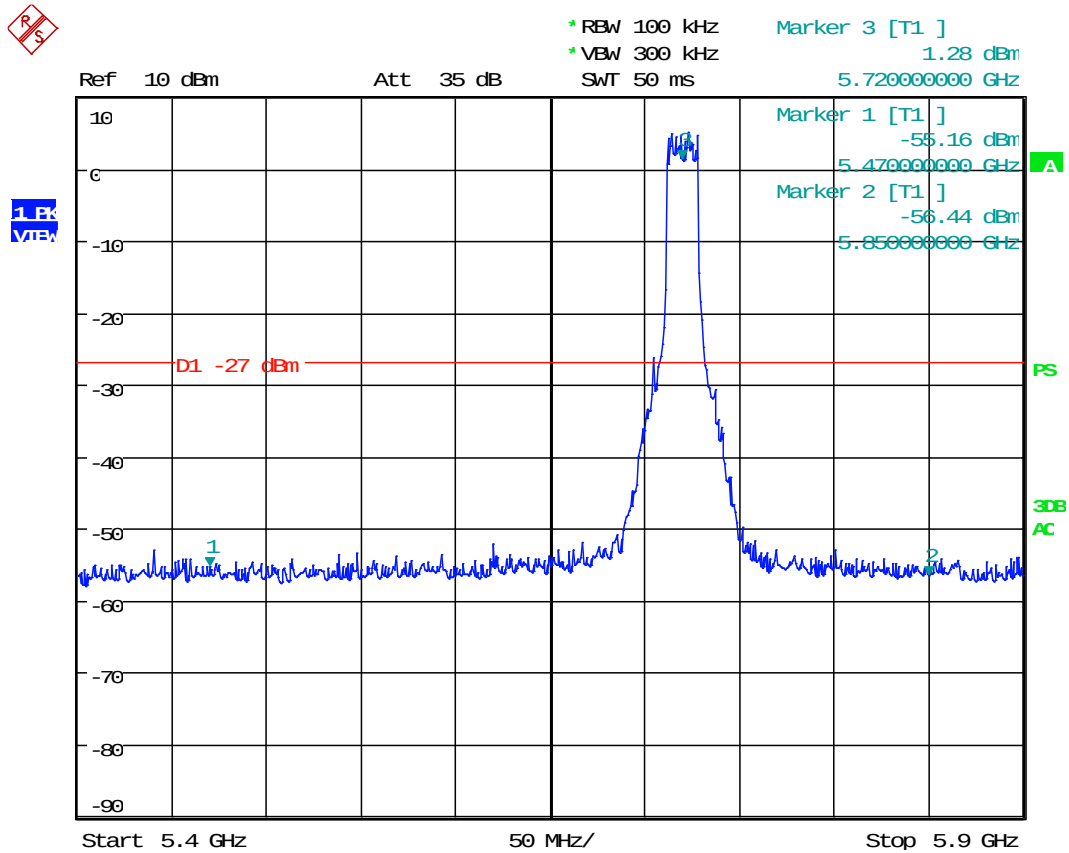
Port 2, HT20: Band Edge



Date: 4.FEB.2022 15:30:26



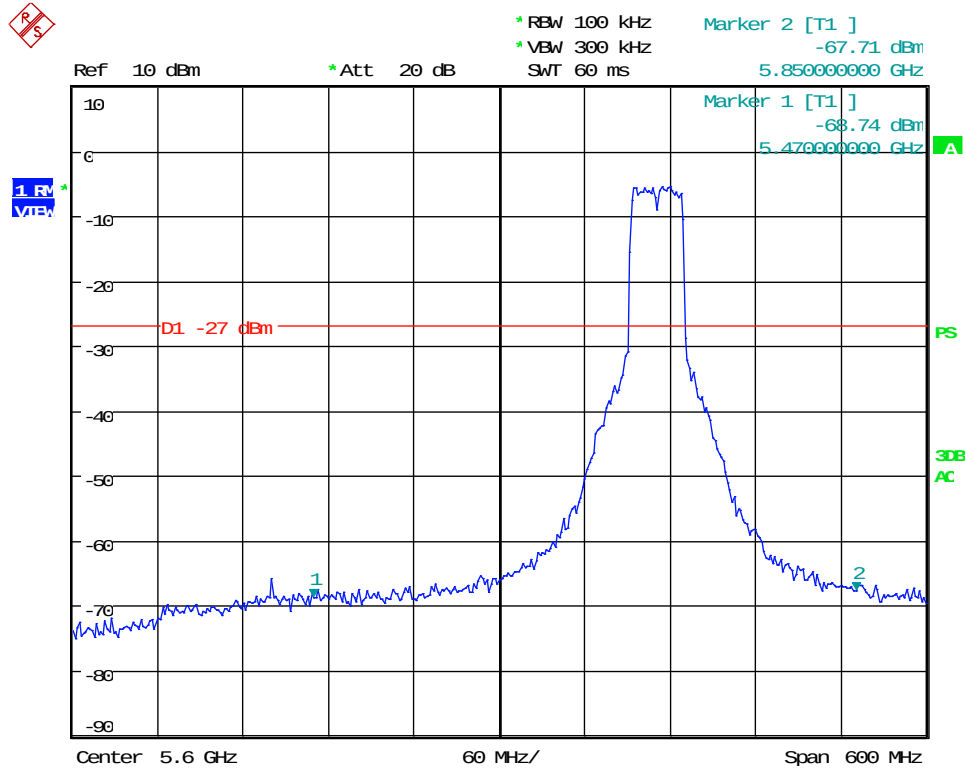
Port 2, OFDM: Band Edge



Date: 4.FEB.2022 15:31:23



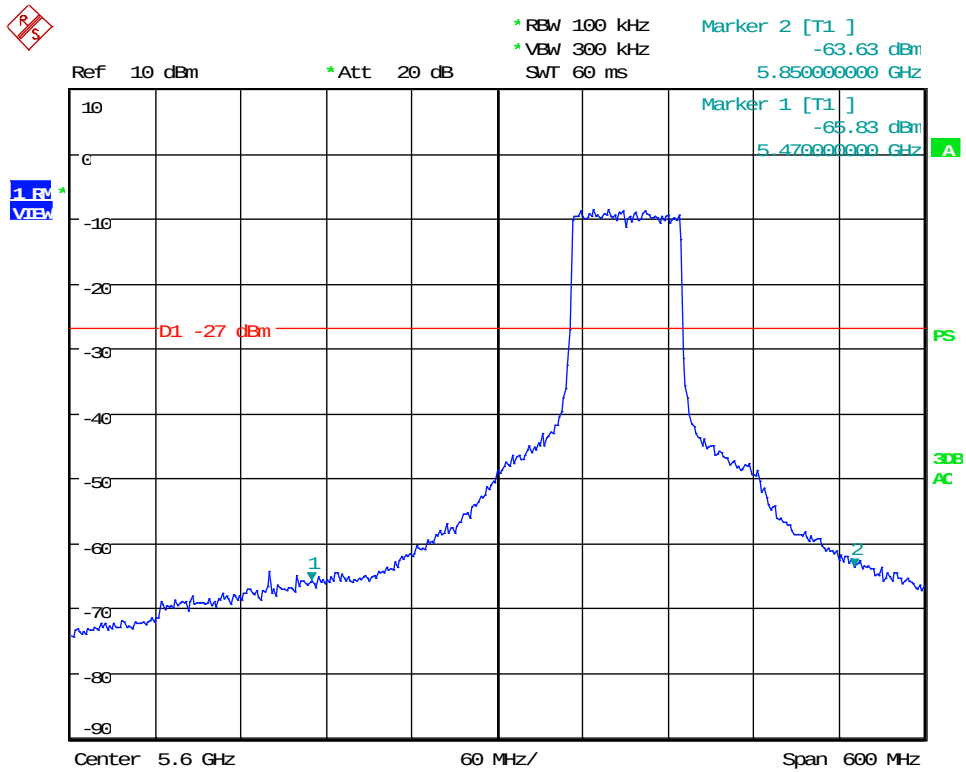
Port 2, HT40: Band Edge



Date: 5.JAN.2022 16:00:07



Port 2, HT80: Band Edge

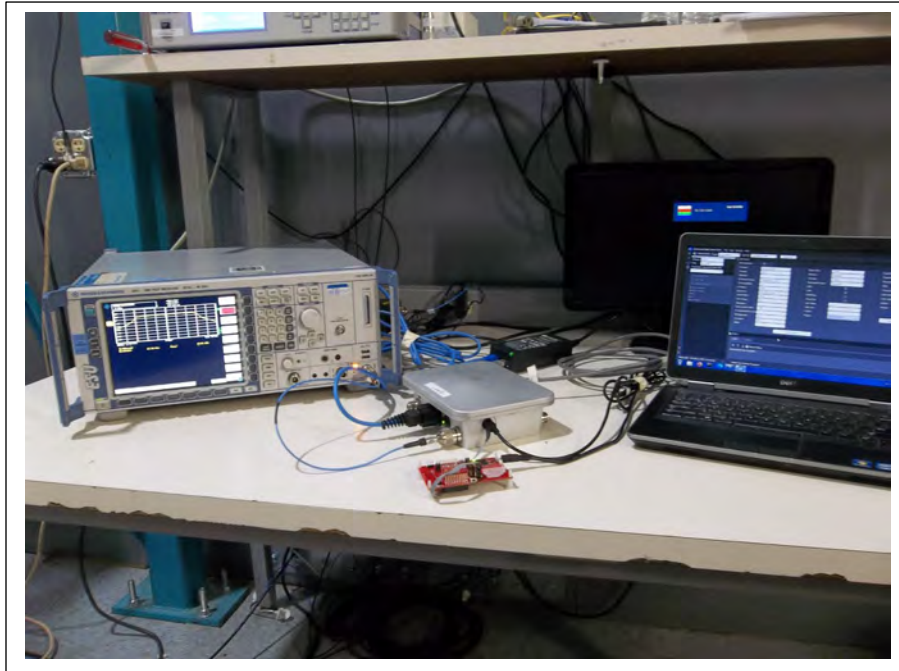


Date: 5.JAN.2022 16:03:30



12 TEST SETUP PHOTOGRAPHS

General Conducted Test Setup





Radiated Spurious Emissions, Less Than 30 MHz





Radiated Spurious Emissions, 30 MHz to 1000 MHz





Radiated Spurious Emissions, Greater than 1 GHz

