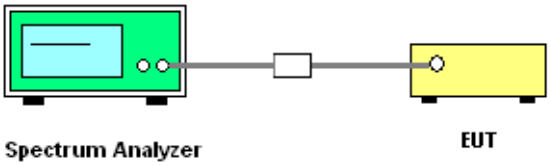
4.6. Conducted Band Edge and Spurious Emission Measurement

Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB 558074 D01 15.247 Meas Guidance v05r02
Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).
Test Setup:	
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. The testing follows FCC KDB Publication 558074 D01 15.247 Meas Guidance v05r02. 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d). 5. Measure and record the results in the test report. 6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
Test Result:	PASS

Test Instruments

RF Test Room					
Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Date**	**Calibration Due**
Spectrum analyzer	Agilent	N9020A	HKE-025	Feb. 20, 2024	Feb. 19, 2025
RF cable	Times	1-40G	HKE-034	Feb. 20, 2024	Feb. 19, 2025
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 20, 2024	Feb. 19, 2025
RF Test Software	Tonscend	JS1120-3 Version 3.5.39	HKE-083	N/A	N/A

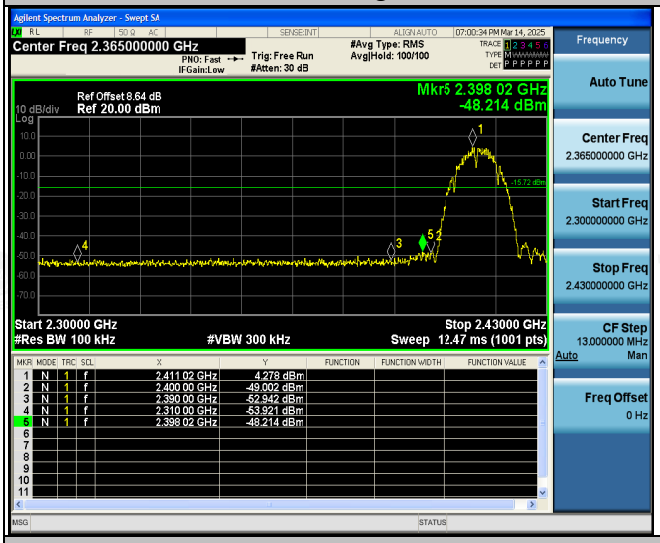
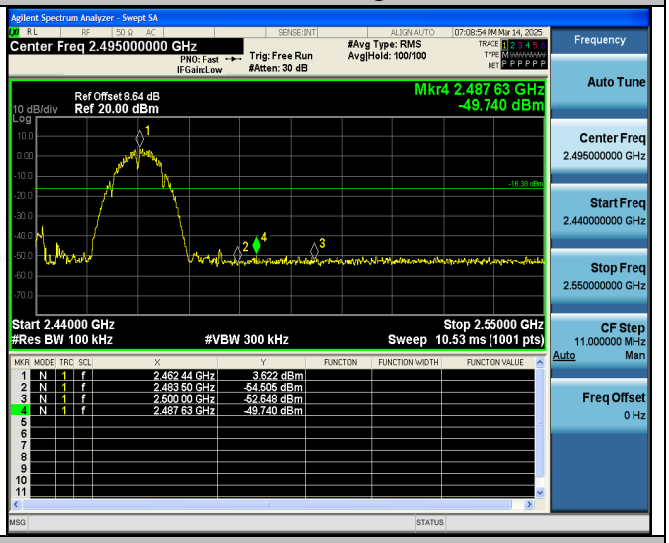
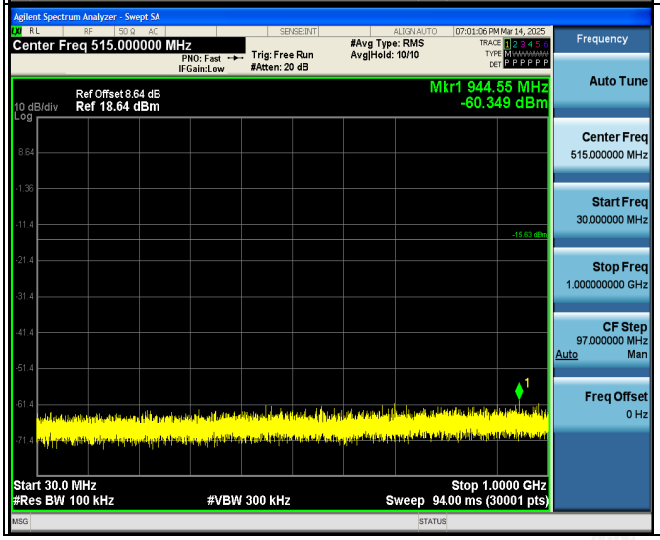
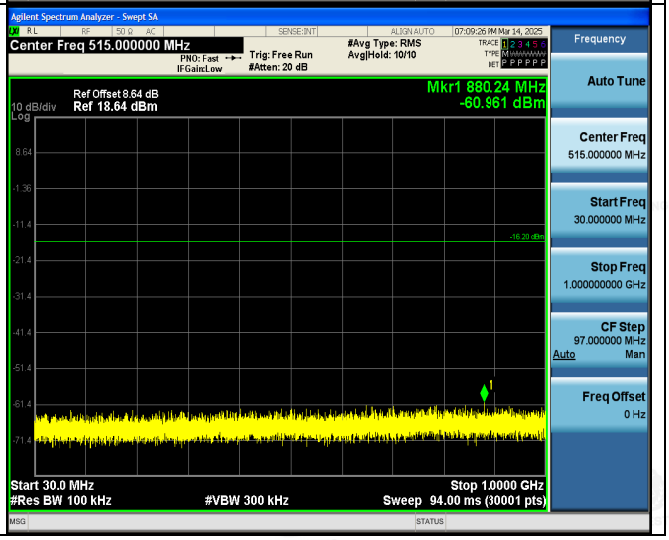
Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

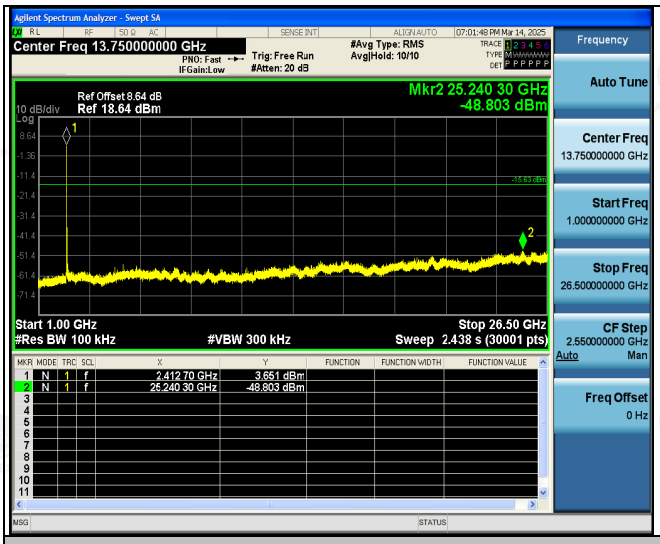
RF Test Room					
Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Date**	**Calibration Due**
Spectrum analyzer	Agilent	N9020A	HKE-025	Feb. 19, 2025	Feb. 18, 2026
RF cable	Times	1-40G	HKE-034	Feb. 19, 2025	Feb. 18, 2026
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 19, 2025	Feb. 18, 2026
RF Test Software	Tonscend	JS1120-3 Version 3.5.39	HKE-083	N/A	N/A

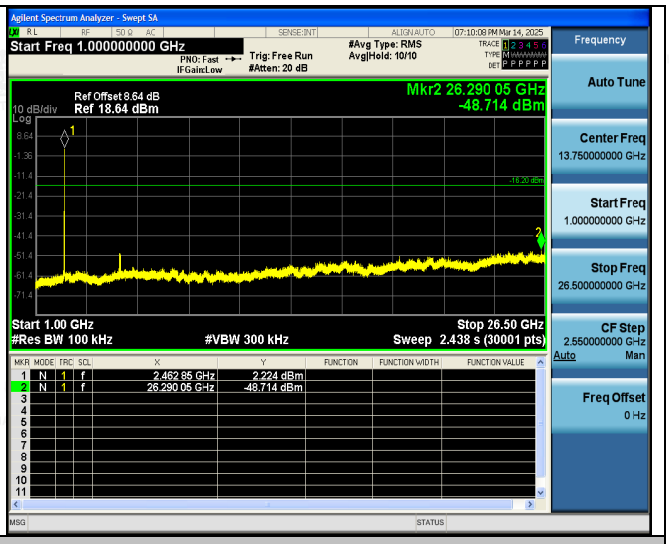
Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

Test Data

802.11b Modulation

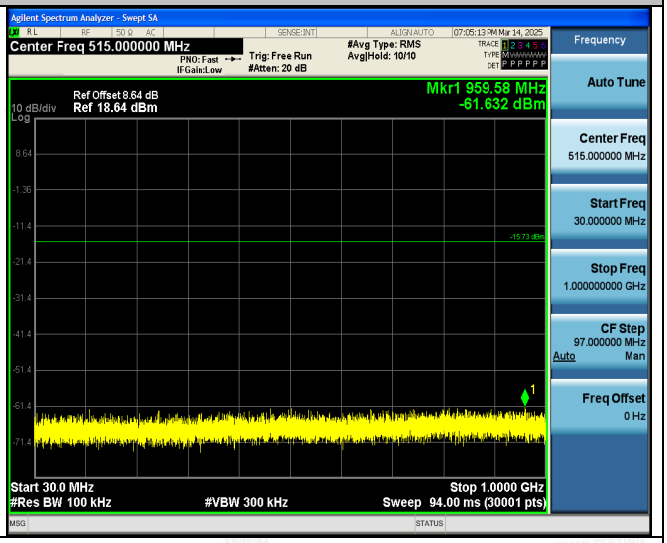
Lowest Channel	Highest Channel
Band Edge	Band Edge
	
Spurious Emission	Spurious Emission
	
	

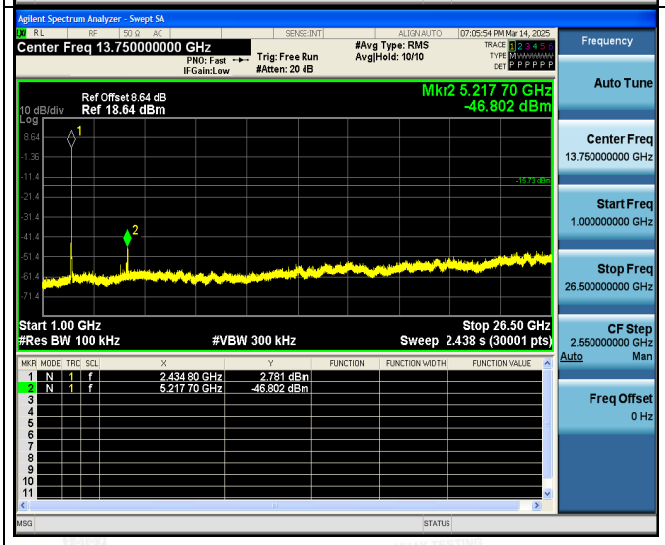




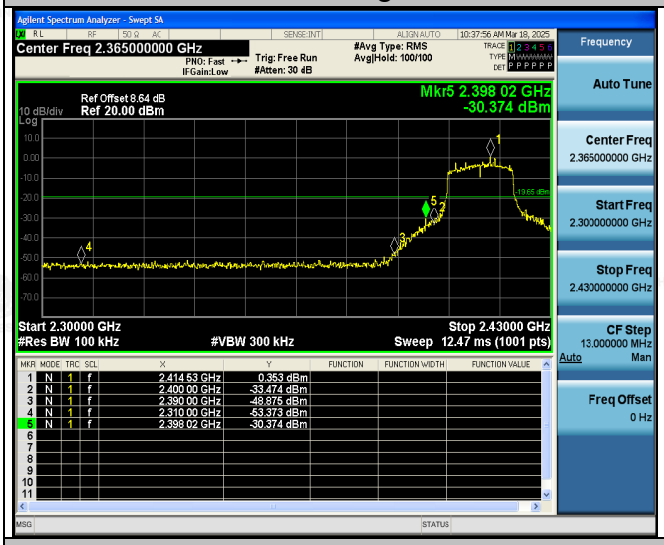
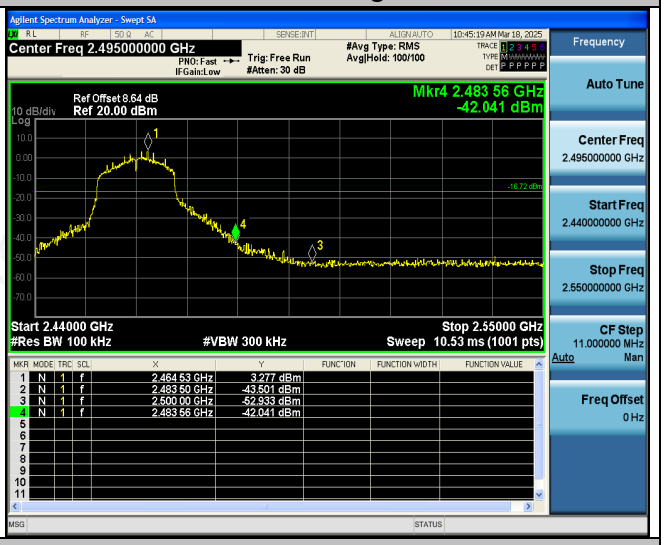
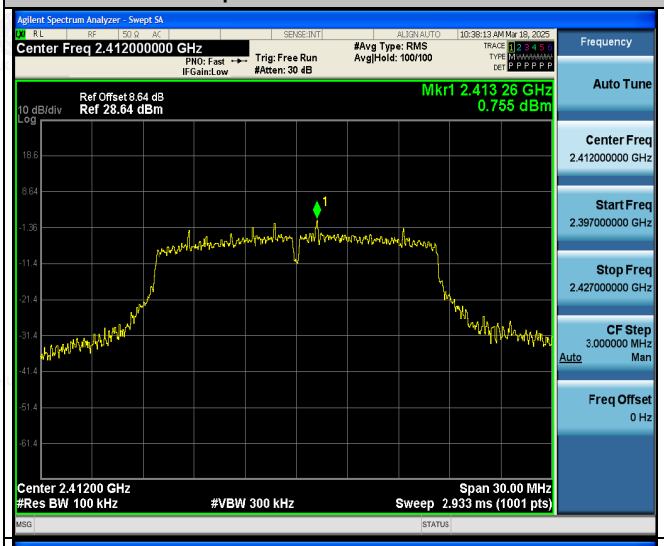
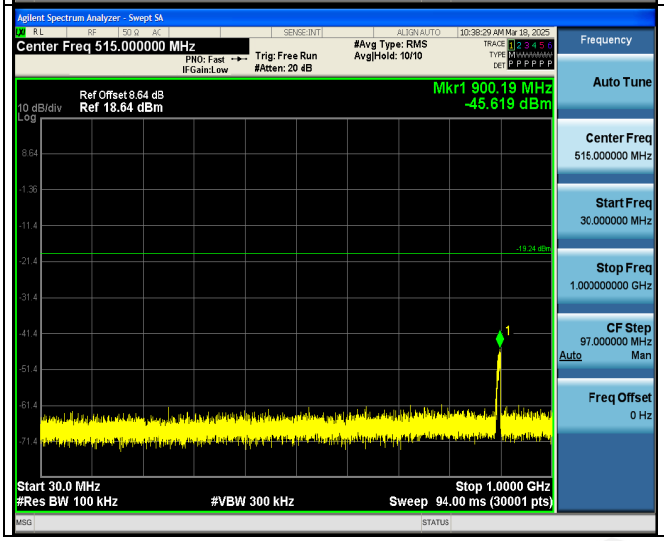
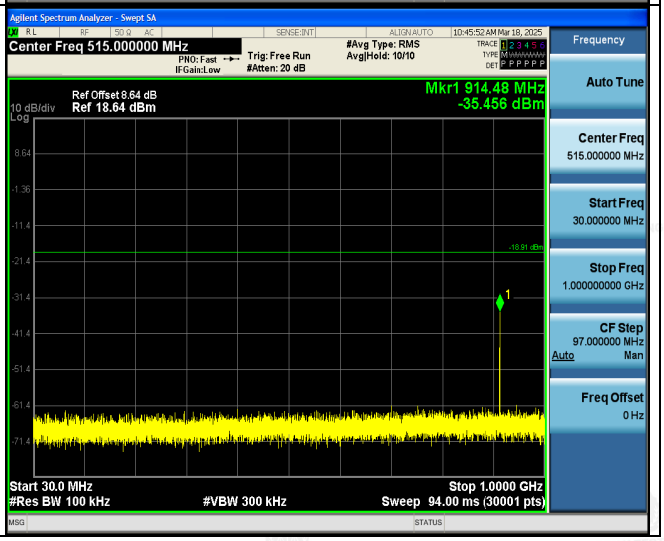
Middle Channel

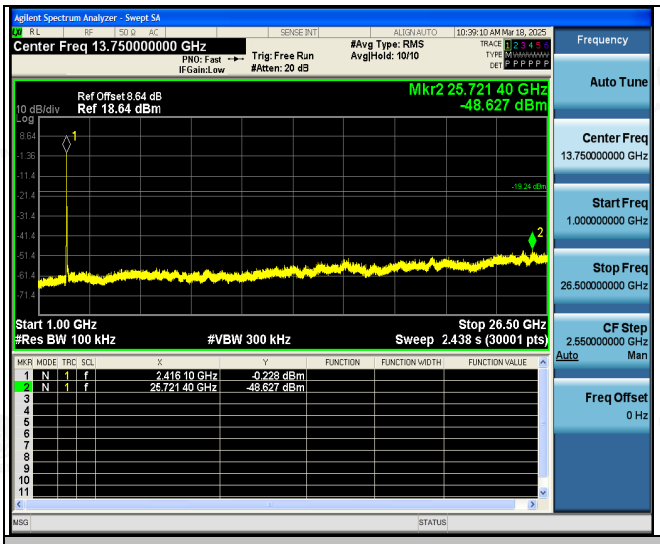
Spurious Emission

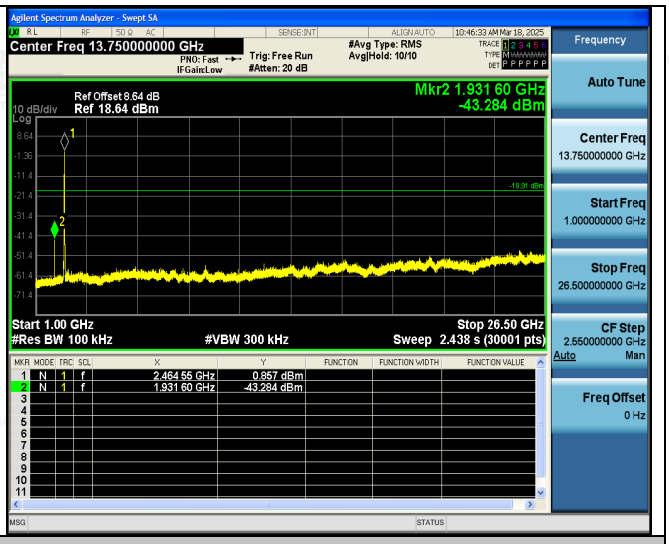




802.11g Modulation

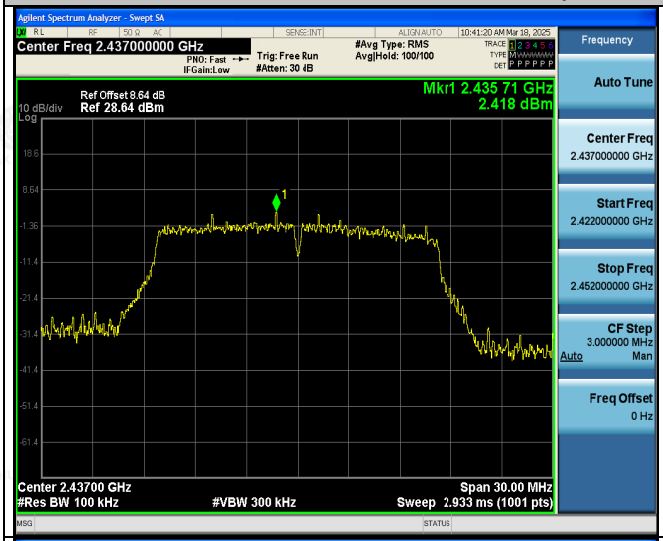
Lowest Channel	Highest Channel
Band Edge	Band Edge
	
Spurious Emission	Spurious Emission
	
	

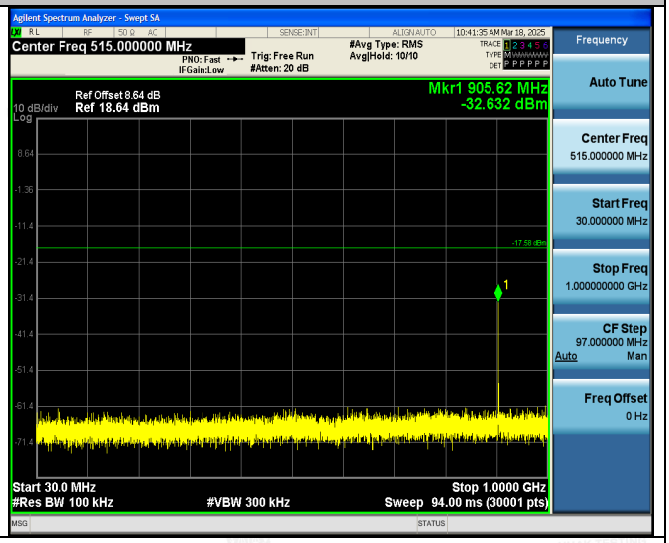


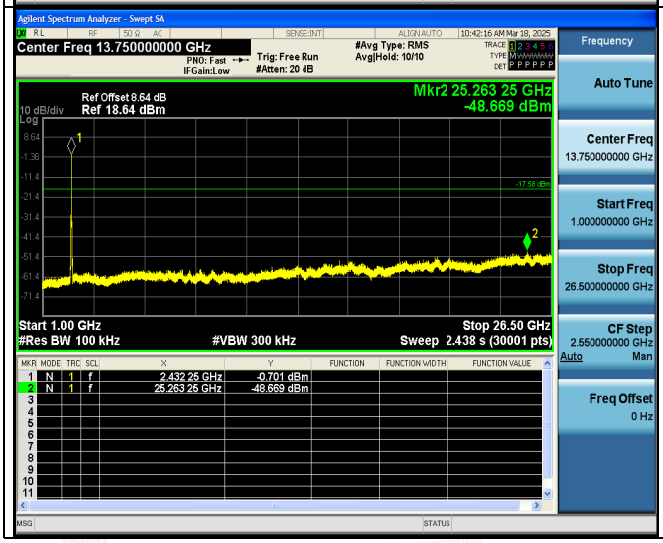


Middle Channel

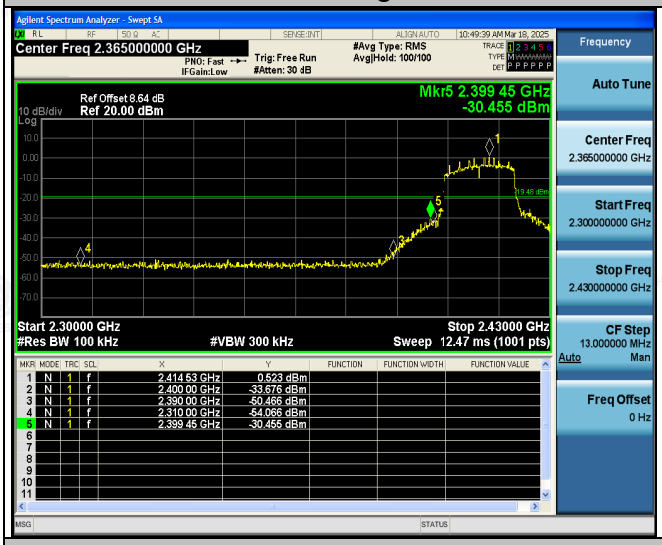
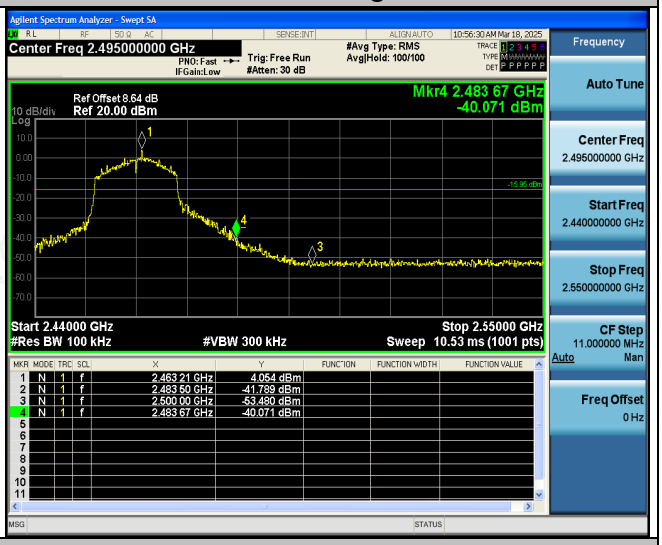
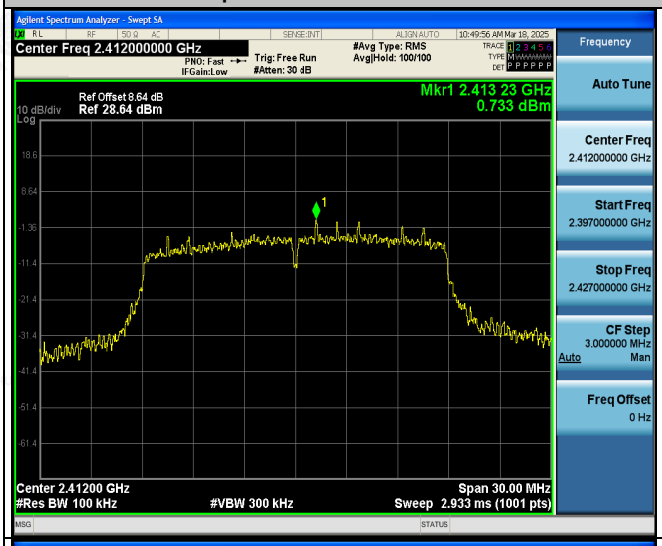
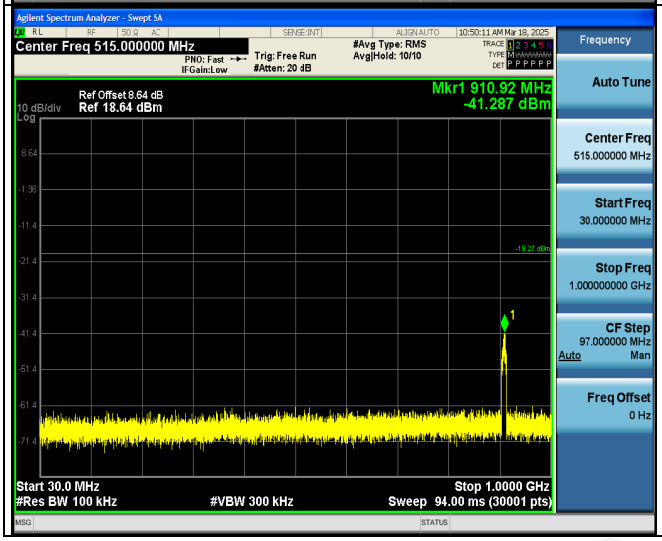
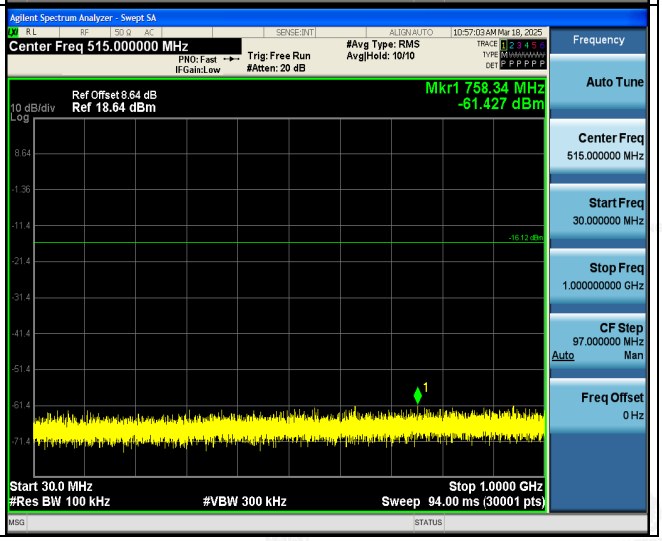
Spurious Emission

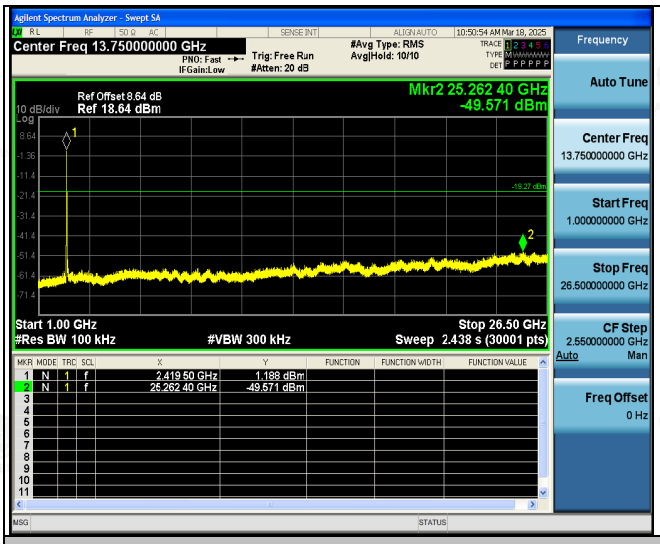


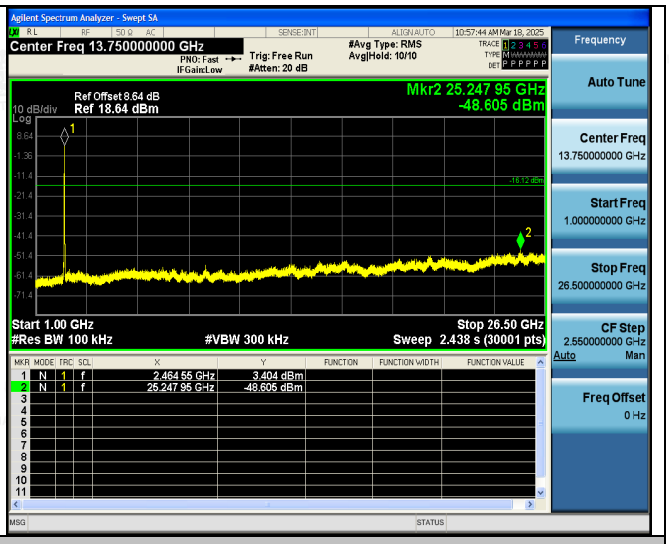




802.11n (HT20) Modulation

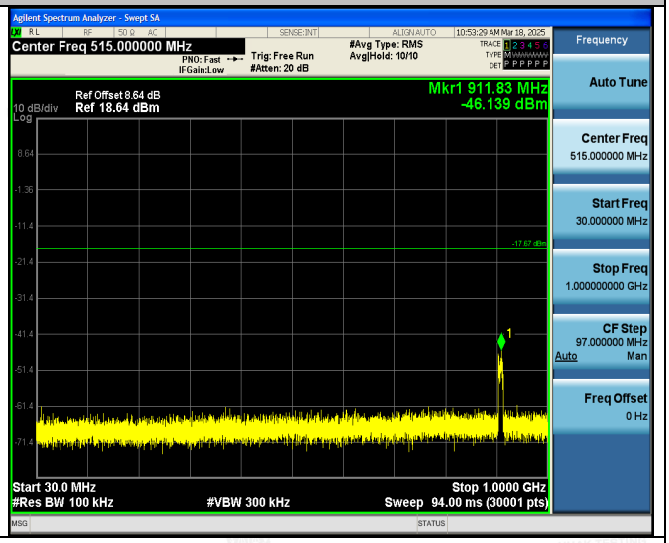
Lowest Channel	Highest Channel
Band Edge	Band Edge
	
Spurious Emission	Spurious Emission
	
	

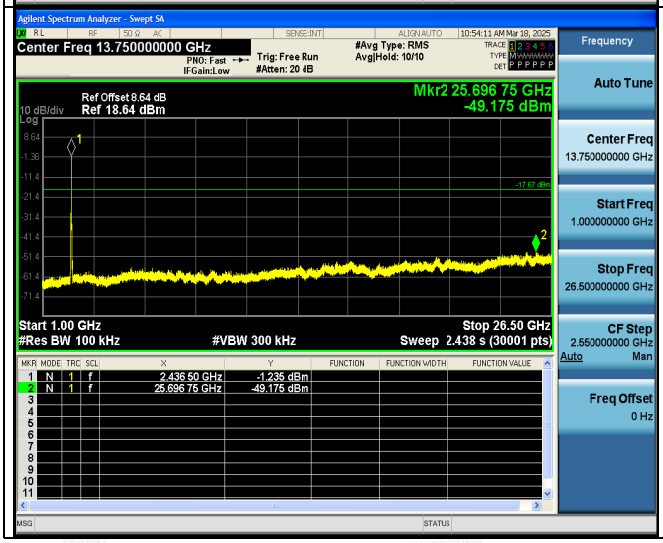




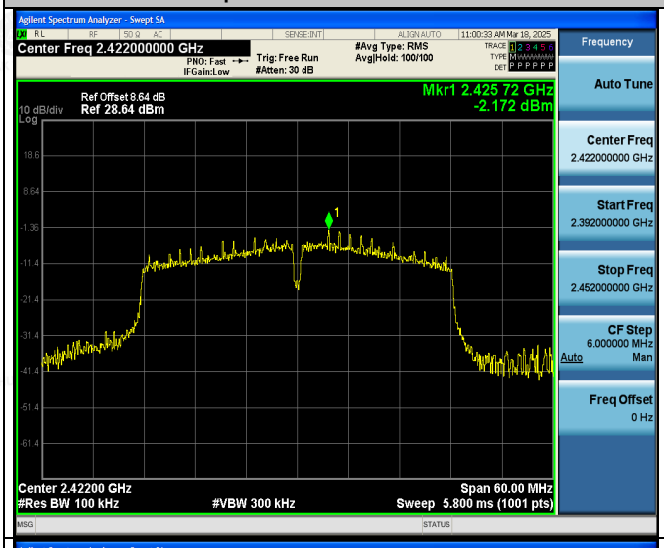
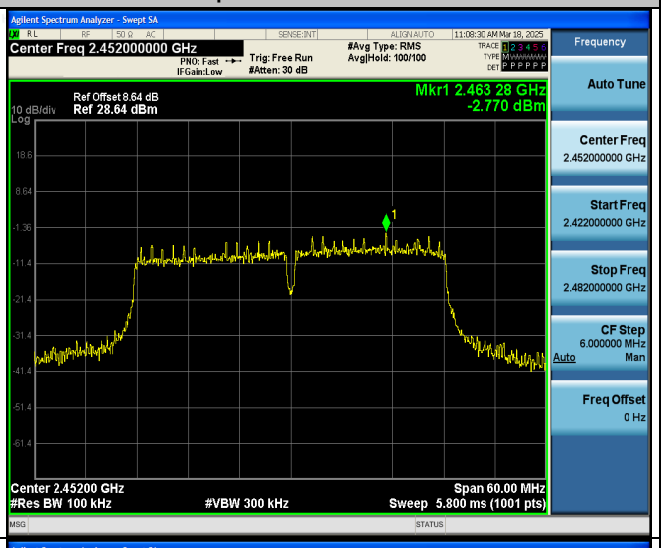
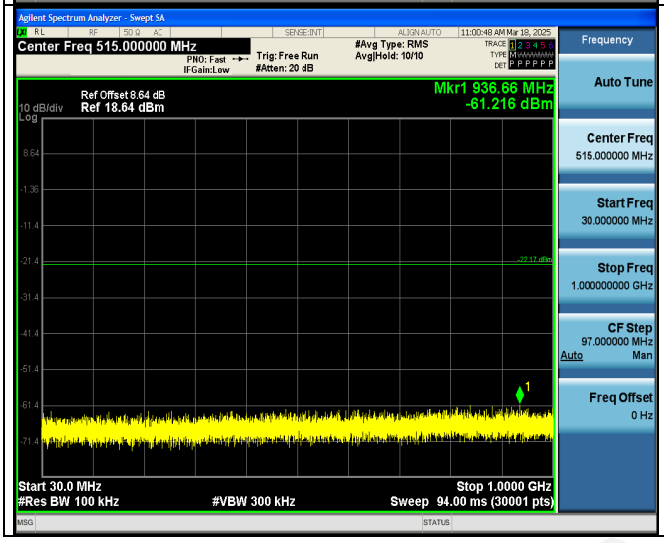
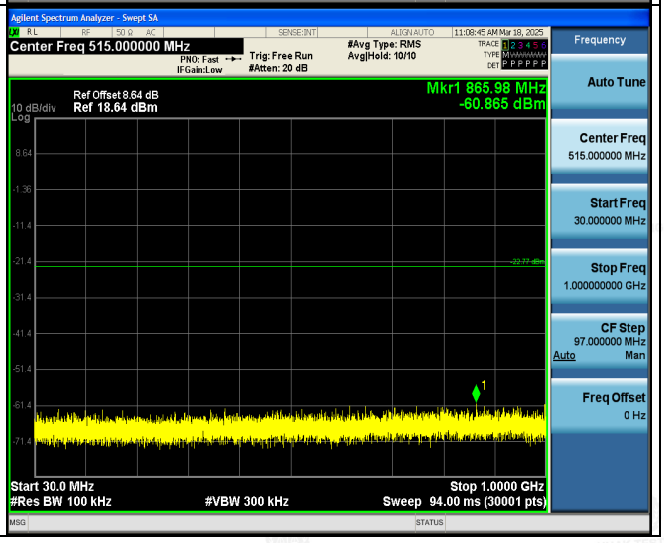
Middle Channel

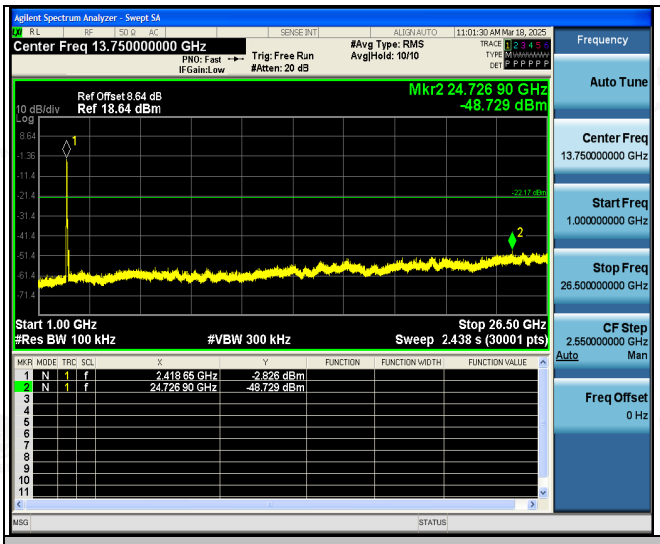
Spurious Emission

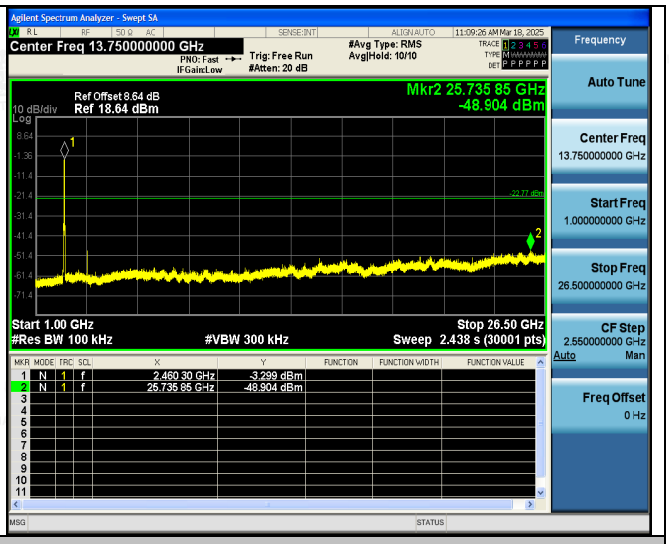




802.11n (HT40) Modulation

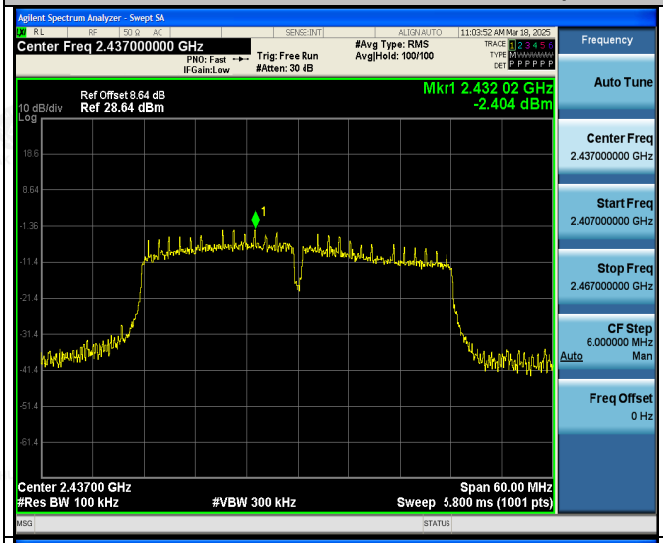
Lowest Channel	Highest Channel
Band Edge	Band Edge
	
Spurious Emission	Spurious Emission
	
	

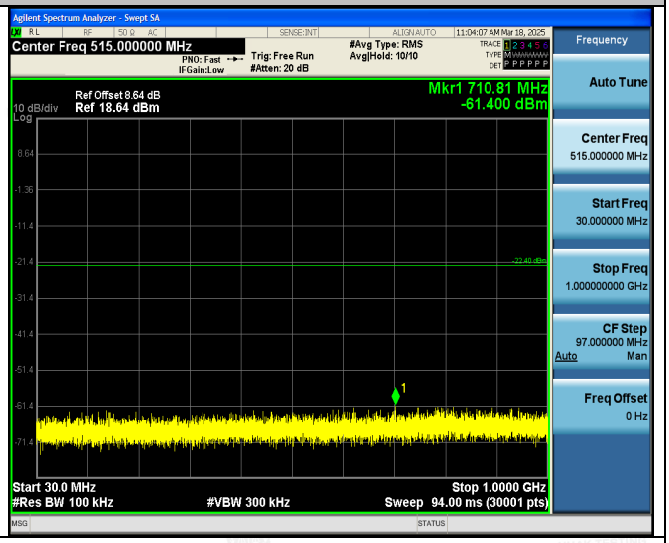


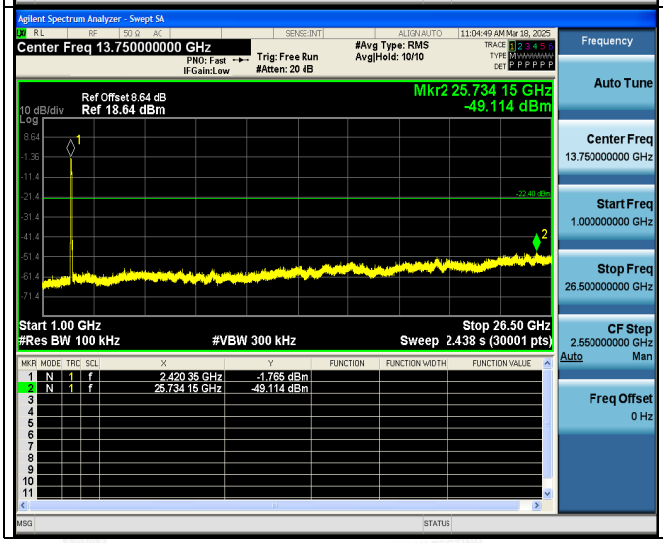


Middle Channel

Spurious Emission







4.7. Radiated Spurious Emission Measurement

Test Specification

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 C Section 15.209</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.10: 2013</td></tr>
<tr><td>Frequency Range:</td><td>9 kHz to 25 GHz</td></tr>
<tr><td>Measurement Distance:</td><td>3 m</td></tr>
<tr><td>Antenna Polarization:</td><td>Horizontal & Vertical</td></tr>
<tr><td>Operation mode:</td><td>Transmitting mode with modulation</td></tr>
<tr><td>Receiver Setup:</td><td>
<table>
<tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr>
<tr><td>9kHz- 150kHz</td><td>Quasi-peak</td><td>200Hz</td><td>1kHz</td><td>Quasi-peak Value</td></tr>
<tr><td>150kHz-30MHz</td><td>Quasi-peak</td><td>9kHz</td><td>30kHz</td><td>Quasi-peak Value</td></tr>
<tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>120KHz</td><td>300KHz</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr>
<tr><td>Peak</td><td>1MHz</td><td>10Hz</td><td>Average Value</td></tr>
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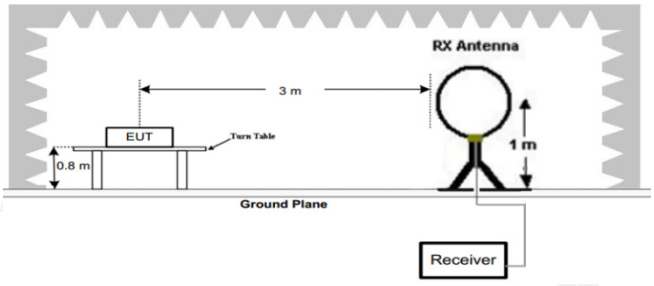
</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><td>Frequency</td><td>Field Strength (microvolts/meter)</td><td>Measurement Distance (meters)</td></tr>
<tr><td>0.009-0.490</td><td>2400/F(KHz)</td><td>300</td></tr>
<tr><td>0.490-1.705</td><td>24000/F(KHz)</td><td>30</td></tr>
<tr><td>1.705-30</td><td>30</td><td>30</td></tr>
<tr><td>30-88</td><td>100</td><td>3</td></tr>
<tr><td>88-216</td><td>150</td><td>3</td></tr>
<tr><td>216-960</td><td>200</td><td>3</td></tr>
<tr><td>Above 960</td><td>500</td><td>3</td></tr>
</table>
<table>
<tr><td>Frequency</td><td>Field Strength (microvolts/meter)</td><td>Measurement Distance (meters)</td><td>Detector</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>500</td><td>3</td><td>Average</td></tr>
<tr><td>5000</td><td>3</td><td>Peak</td></tr>
</table>
</td></tr>
<tr><td>Test Setup:</td><td>For radiated emissions below 30MHz
 
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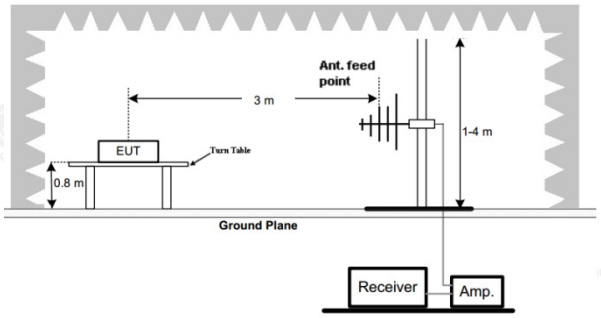
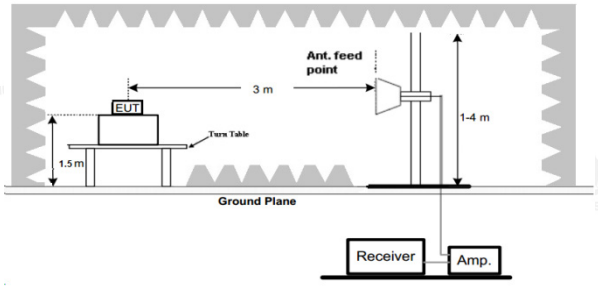
	30MHz to 1GHz  Above 1GHz 
Test Procedure:	1. For the radiated emission test below 1GHz: The EUT was placed on a turntable with 0.8 meter above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high PASS filter are used for the test in order to get better signal level. 2. For the radiated emission test above 1GHz: Place the measurement antenna on a turntable with 1.5 meter above ground, which is away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal.

	The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. 3. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level 4. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported. 5. Use the following spectrum analyzer settings: (1) Span shall wide enough to fully capture the emission being measured; (2) Set RBW=120 kHz for f < 1 GHz; VBW ≥RBW; Sweep = auto; Detector function = peak; Trace = max hold; (3) Set RBW = 1 MHz, VBW= 3MHz for f > 1 GHz for peak measurement. 6.For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent.VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Test results:	PASS

Test Instruments

Radiated Emission Test Site (966)					
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Date**	**Calibration Due**
Spectrum analyzer	Agilent	N9020A	HKE-025	Feb. 20, 2024	Feb. 19, 2025
Spectrum analyzer	R&S	FSV3044	HKE-126	Feb. 20, 2024	Feb. 19, 2025
Preamplifier	EMCI	EMC051845S	HKE-006	Feb. 20, 2024	Feb. 19, 2025
Preamplifier	Schwarzbeck	BBV 9743	HKE-016	Feb. 20, 2024	Feb. 19, 2025
Preamplifier	A.H. Systems	SAS-574	HKE-182	Feb. 20, 2024	Feb. 19, 2025
6dB Attenuator	Pasternack	6db	HKE-184	Feb. 20, 2024	Feb. 19, 2025
EMI Test Receiver	Rohde & Schwarz	ESR-7	HKE-010	Feb. 20, 2024	Feb. 19, 2025
Broadband Antenna	Schwarzbeck	VULB9168	HKE-167	Feb. 21, 2024	Feb. 20, 2026
Loop Antenna	COM-POWER	AL-130R	HKE-014	Feb. 21, 2024	Feb. 20, 2026
Horn Antenna	Schwarzbeck	9120D	HKE-013	Feb. 21, 2024	Feb. 20, 2026
EMI Test Software	Tonscend	JS32-RE 5.0.0	HKE-082	N/A	N/A
RSE Test Software	Tonscend	JS36-RSE 5.0.0	HKE-184	N/A	N/A

Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

Radiated Emission Test Site (966)					
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Date**	**Calibration Due**
Spectrum analyzer	Agilent	N9020A	HKE-025	Feb. 19, 2025	Feb. 18, 2026
Spectrum analyzer	R&S	FSV3044	HKE-126	Feb. 19, 2025	Feb. 18, 2026
Preamplifier	EMCI	EMC051845S	HKE-006	Feb. 19, 2025	Feb. 18, 2026
Preamplifier	Schwarzbeck	BBV 9743	HKE-016	Feb. 19, 2025	Feb. 18, 2026
Preamplifier	A.H. Systems	SAS-574	HKE-182	Feb. 19, 2025	Feb. 18, 2026
6dB Attenuator	Pasternack	6db	HKE-184	Feb. 19, 2025	Feb. 18, 2026
EMI Test Receiver	Rohde & Schwarz	ESR-7	HKE-010	Feb. 19, 2025	Feb. 18, 2026
Broadband Antenna	Schwarzbeck	VULB9168	HKE-167	Feb. 21, 2024	Feb. 20, 2026
Loop Antenna	COM-POWER	AL-130R	HKE-014	Feb. 21, 2024	Feb. 20, 2026
Horn Antenna	Schwarzbeck	9120D	HKE-013	Feb. 21, 2024	Feb. 20, 2026
EMI Test Software	Tonscend	JS32-RE 5.0.0	HKE-082	N/A	N/A
RSE Test Software	Tonscend	JS36-RSE 5.0.0	HKE-184	N/A	N/A

Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

Test Data

All the test modes completed for test. Only the worst result of (802.11b at 2412MHz) was reported as below:

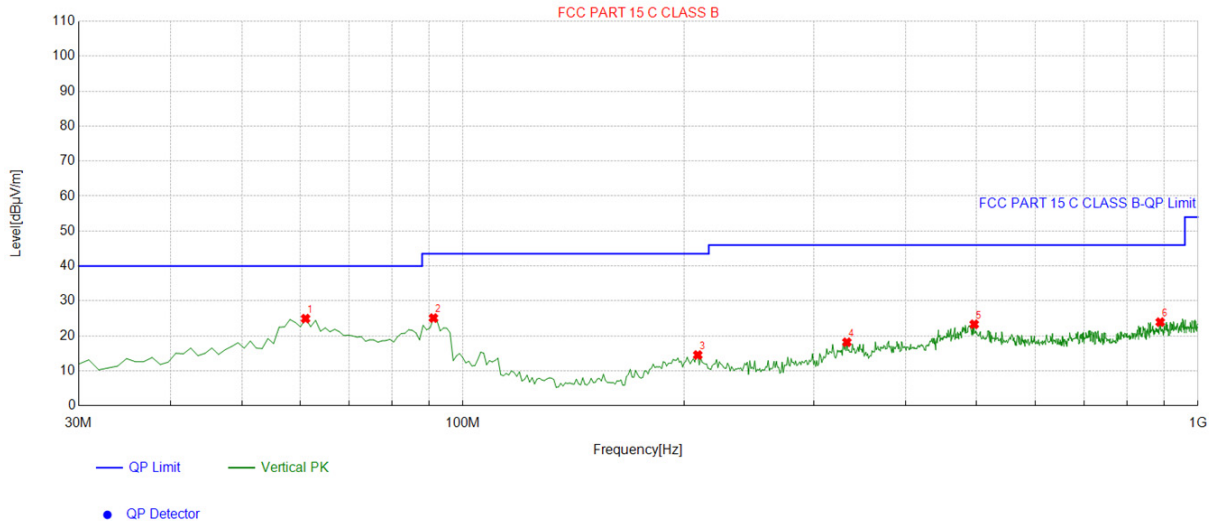
Below 1GHz

Test Model No.: S25 Ultra
Horizontal

Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	59.129129	-13.54	25.45	11.91	40.00	28.09	100	100	Horizontal
2	90.2002	-16.68	31.65	14.97	43.50	28.53	100	349	Horizontal
3	108.64864	-14.02	28.25	14.23	43.50	29.27	100	357	Horizontal
4	194.09409	-15.23	30.48	15.25	43.50	28.25	100	235	Horizontal
5	324.20420	-11.03	33.87	22.84	46.00	23.16	100	91	Horizontal
6	474.70470	-8.23	28.78	20.55	46.00	25.45	100	357	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

Vertical

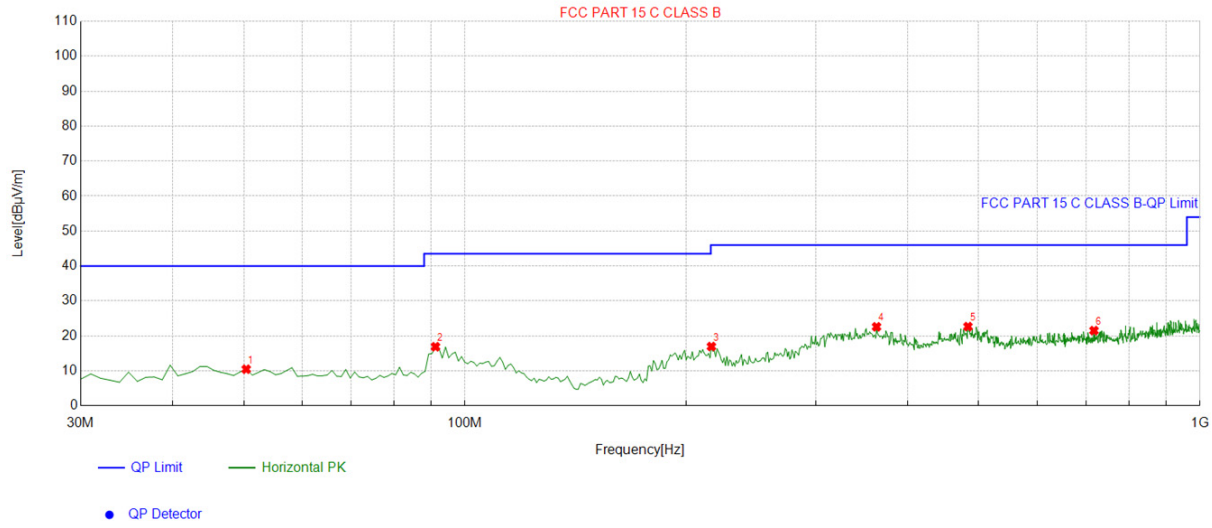


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	61.071071	-13.82	38.77	24.95	40.00	15.05	100	105	Vertical
2	91.171171	-16.91	42.01	25.10	43.50	18.40	100	280	Vertical
3	208.65865	-15.01	29.54	14.53	43.50	28.97	100	145	Vertical
4	332.94294	-10.72	28.91	18.19	46.00	27.81	100	48	Vertical
5	496.06606	-7.90	31.23	23.33	46.00	22.67	100	136	Vertical
6	888.33833	-1.63	25.57	23.94	46.00	22.06	100	334	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

Series Model No.: R12 pro

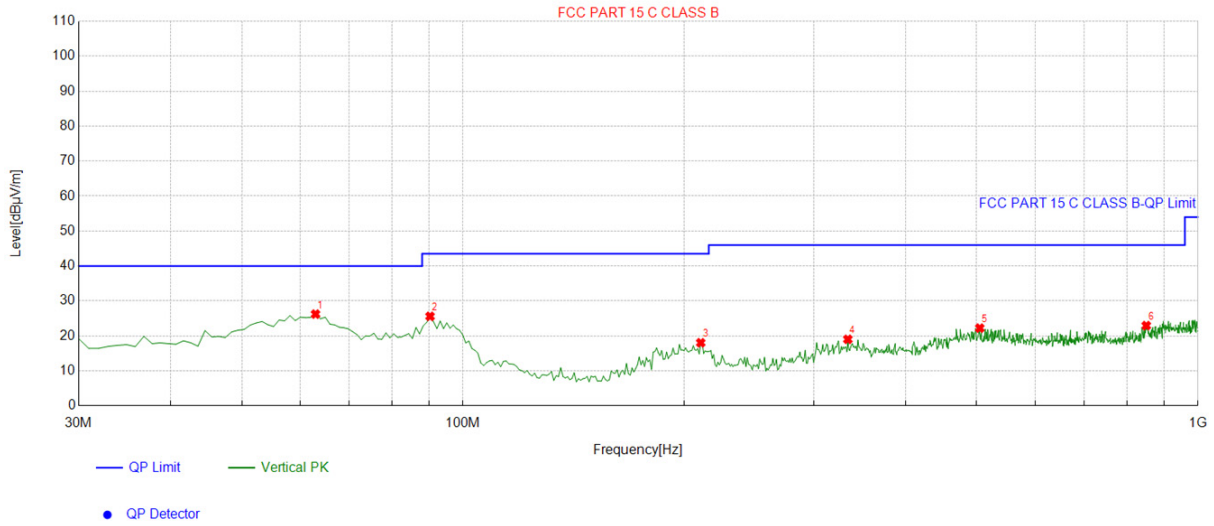
Horizontal



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	50.39039	-13.15	23.63	10.48	40.00	29.52	100	261	Horizontal
2	91.171171	-16.91	33.81	16.90	43.50	26.60	100	16	Horizontal
3	216.42642	-14.69	31.65	16.96	46.00	29.04	100	105	Horizontal
4	363.04304	-9.68	32.29	22.61	46.00	23.39	100	119	Horizontal
5	483.44344	-8.04	30.71	22.67	46.00	23.33	100	79	Horizontal
6	717.44744	-4.22	25.74	21.52	46.00	24.48	100	285	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

Vertical

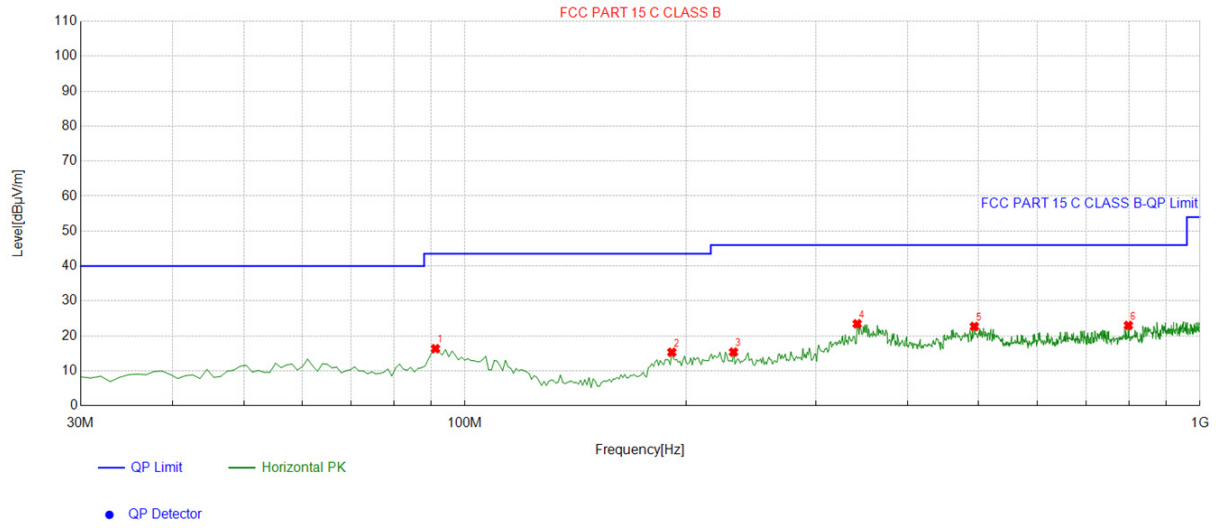


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	63.013013	-14.48	40.71	26.23	40.00	13.77	100	92	Vertical
2	90.2002	-16.68	42.28	25.60	43.50	17.90	100	201	Vertical
3	210.60060	-14.88	32.92	18.04	43.50	25.46	100	148	Vertical
4	333.91391	-10.67	29.69	19.02	46.00	26.98	100	207	Vertical
5	504.80480	-8.21	30.44	22.23	46.00	23.77	100	127	Vertical
6	850.47047	-1.46	24.41	22.95	46.00	23.05	100	97	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

Series Model No.: P5 pro

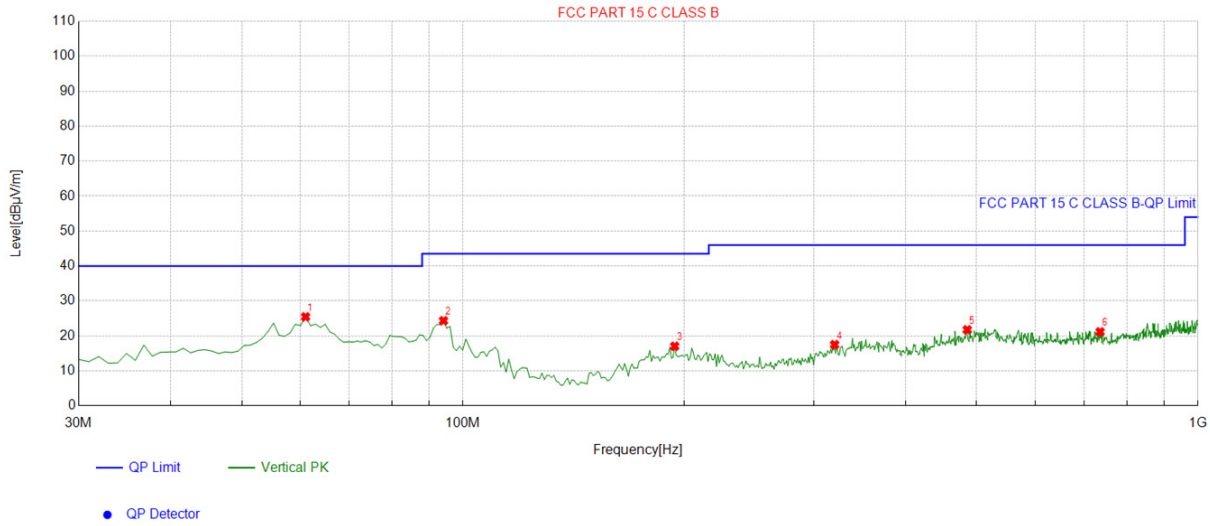
Horizontal



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	91.171171	-16.91	33.25	16.34	43.50	27.16	100	358	Horizontal
2	191.18118	-15.86	31.17	15.31	43.50	28.19	100	78	Horizontal
3	231.96196	-13.90	29.27	15.37	46.00	30.63	100	95	Horizontal
4	341.68168	-10.26	33.72	23.46	46.00	22.54	100	109	Horizontal
5	493.15315	-7.86	30.55	22.69	46.00	23.31	100	130	Horizontal
6	799.00900	-3.11	26.10	22.99	46.00	23.01	100	80	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

Vertical



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	61.071071	-13.82	39.28	25.46	40.00	14.54	100	261	Vertical
2	94.084084	-15.78	40.13	24.35	43.50	19.15	100	207	Vertical
3	194.09409	-15.23	32.27	17.04	43.50	26.46	100	37	Vertical
4	320.32032	-11.20	28.71	17.51	46.00	28.49	100	212	Vertical
5	485.38538	-7.93	29.68	21.75	46.00	24.25	100	176	Vertical
6	735.89589	-3.50	24.66	21.16	46.00	24.84	100	2	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

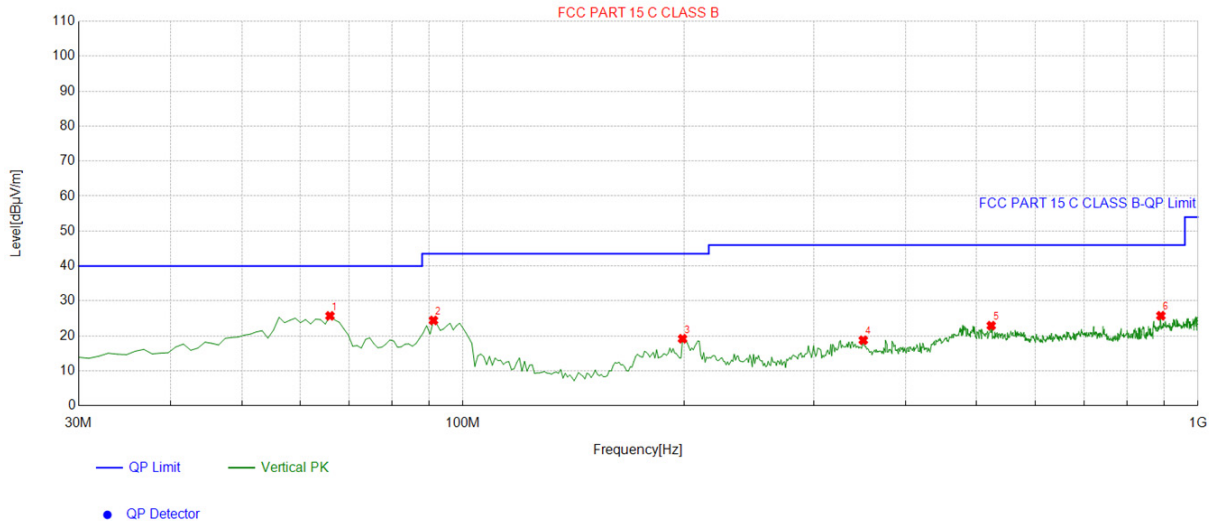
Series Model No.: E50 Ultra

Horizontal

Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	57.187187	-13.76	27.27	13.51	40.00	26.49	100	187	Horizontal
2	100.88088	-14.60	31.47	16.87	43.50	26.63	100	5	Horizontal
3	199.91992	-15.09	31.82	16.73	43.50	26.77	100	77	Horizontal
4	338.76876	-10.40	35.35	24.95	46.00	21.05	100	258	Horizontal
5	493.15315	-7.86	30.12	22.26	46.00	23.74	100	119	Horizontal
6	899.01901	-1.03	25.91	24.88	46.00	21.12	100	62	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

Vertical

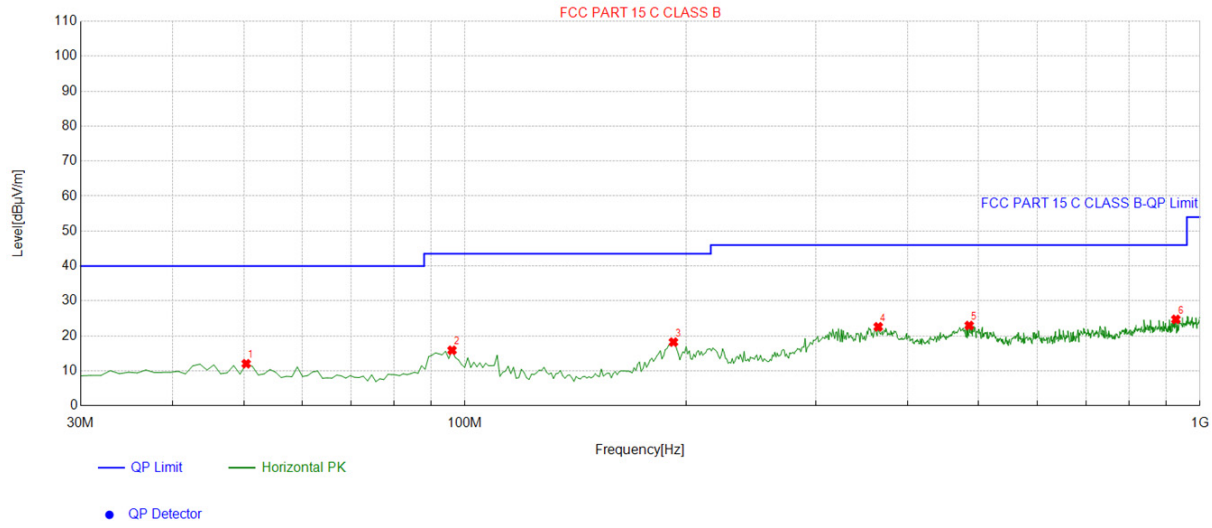


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	65.925926	-15.95	41.68	25.73	40.00	14.27	100	268	Vertical
2	91.171171	-16.91	41.34	24.43	43.50	19.07	100	216	Vertical
3	198.94894	-14.75	33.93	19.18	43.50	24.32	100	3	Vertical
4	350.42042	-10.05	28.82	18.77	46.00	27.23	100	244	Vertical
5	523.25325	-7.11	30.05	22.94	46.00	23.06	100	136	Vertical
6	890.28028	-1.59	27.37	25.78	46.00	20.22	100	156	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

Series Model No.: I16 pro max

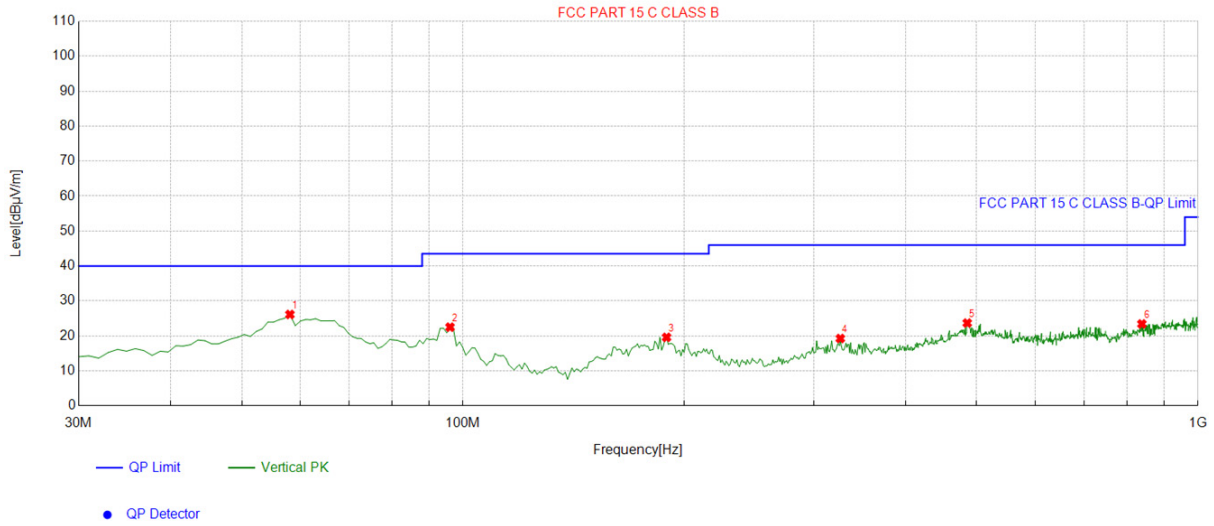
Horizontal



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	50.39039	-13.15	25.19	12.04	40.00	27.96	100	110	Horizontal
2	96.026026	-15.55	31.44	15.89	43.50	27.61	100	352	Horizontal
3	192.15215	-15.74	33.96	18.22	43.50	25.28	100	82	Horizontal
4	364.98498	-9.55	32.15	22.60	46.00	23.40	100	113	Horizontal
5	485.38538	-7.93	30.89	22.96	46.00	23.04	100	122	Horizontal
6	927.17717	-1.03	25.76	24.73	46.00	21.27	100	36	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

Vertical

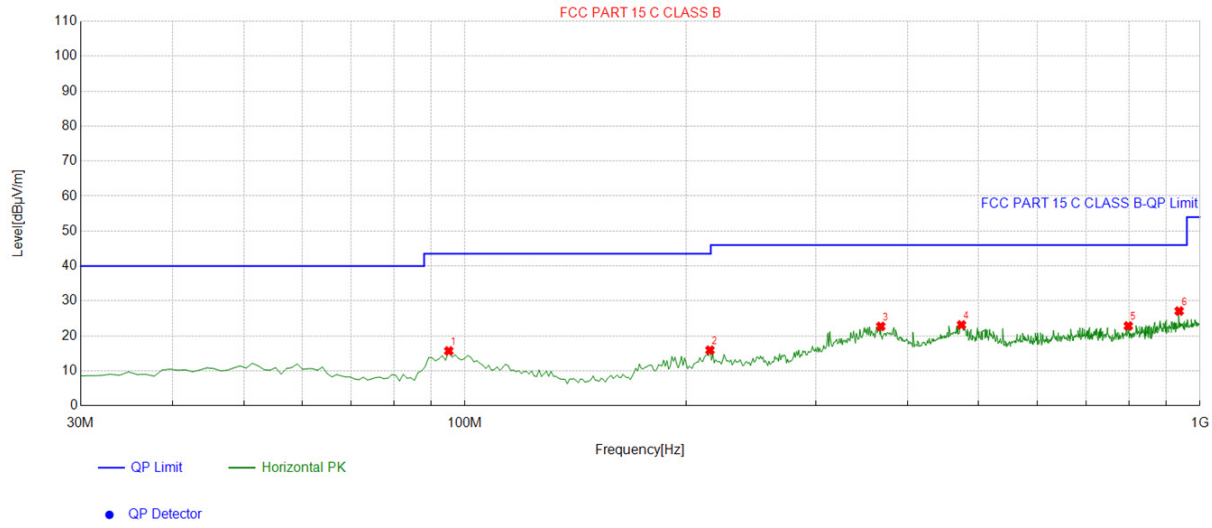


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	58.158158	-14.00	40.13	26.13	40.00	13.87	100	87	Vertical
2	96.026026	-15.55	38.05	22.50	43.50	21.00	100	275	Vertical
3	189.23923	-15.52	35.11	19.59	43.50	23.91	100	22	Vertical
4	326.14614	-10.98	30.24	19.26	46.00	26.74	100	204	Vertical
5	485.38538	-7.93	31.61	23.68	46.00	22.32	100	306	Vertical
6	838.81881	-2.28	25.70	23.42	46.00	22.58	100	263	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

Series Model No.: P6 pro

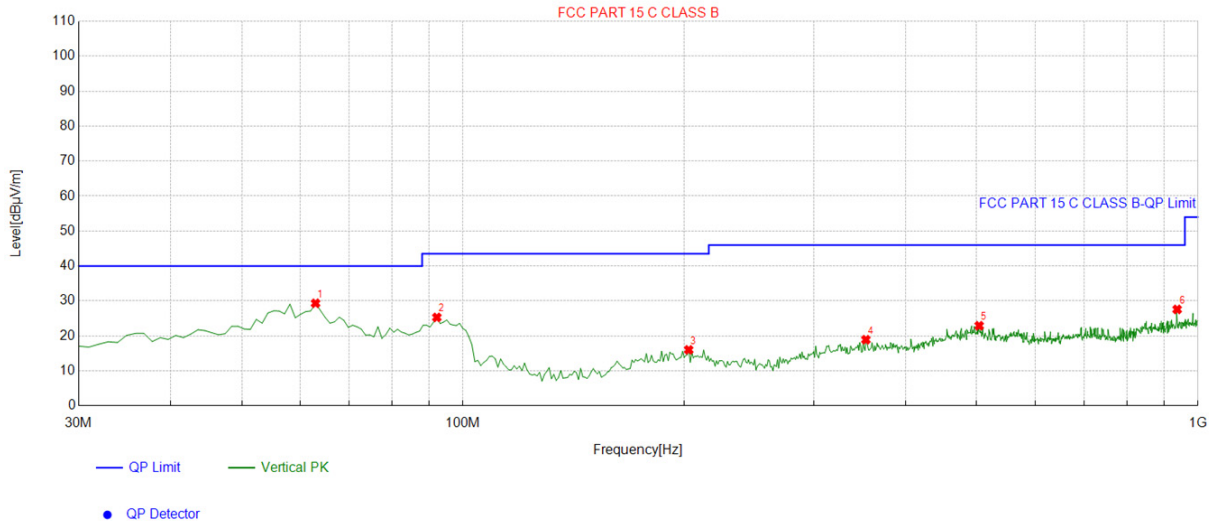
Horizontal



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	95.055055	-15.40	31.10	15.70	43.50	27.80	100	8	Horizontal
2	215.45545	-14.72	30.64	15.92	43.50	27.58	100	98	Horizontal
3	367.89789	-9.77	32.49	22.72	46.00	23.28	100	124	Horizontal
4	473.73373	-8.30	31.45	23.15	46.00	22.85	100	121	Horizontal
5	799.00900	-3.11	25.96	22.85	46.00	23.15	100	34	Horizontal
6	936.88688	-1.35	28.46	27.11	46.00	18.89	100	198	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

Vertical

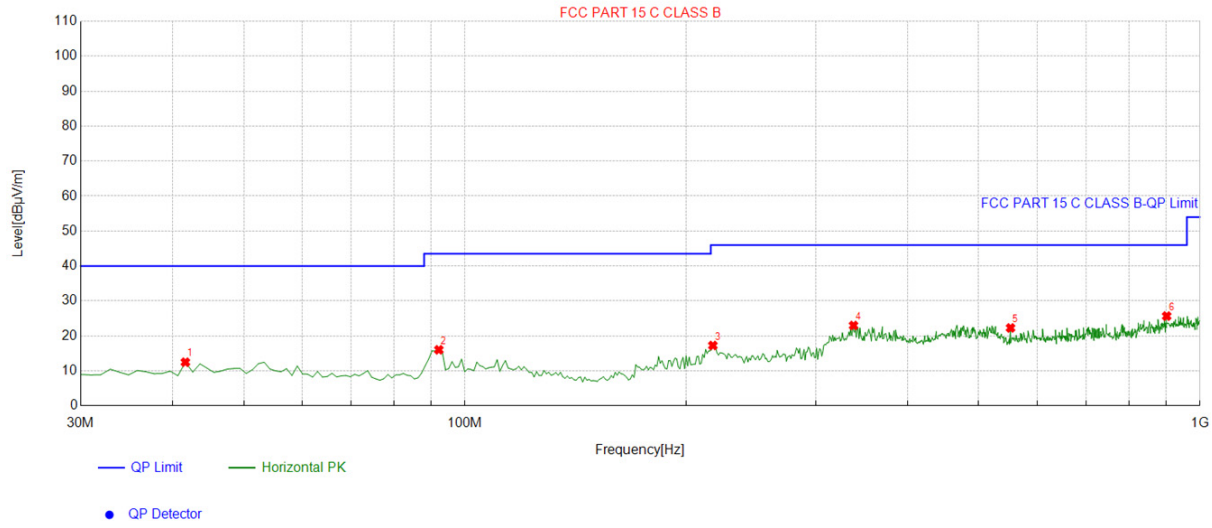


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	63.013013	-14.48	43.82	29.34	40.00	10.66	100	88	Vertical
2	92.142142	-16.47	41.76	25.29	43.50	18.21	100	210	Vertical
3	202.83283	-15.23	31.25	16.02	43.50	27.48	100	339	Vertical
4	353.33333	-10.17	29.08	18.91	46.00	27.09	100	221	Vertical
5	503.83383	-8.20	31.11	22.91	46.00	23.09	100	293	Vertical
6	936.88688	-1.35	28.93	27.58	46.00	18.42	100	32	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

Series Model No.: Sp20 Pro

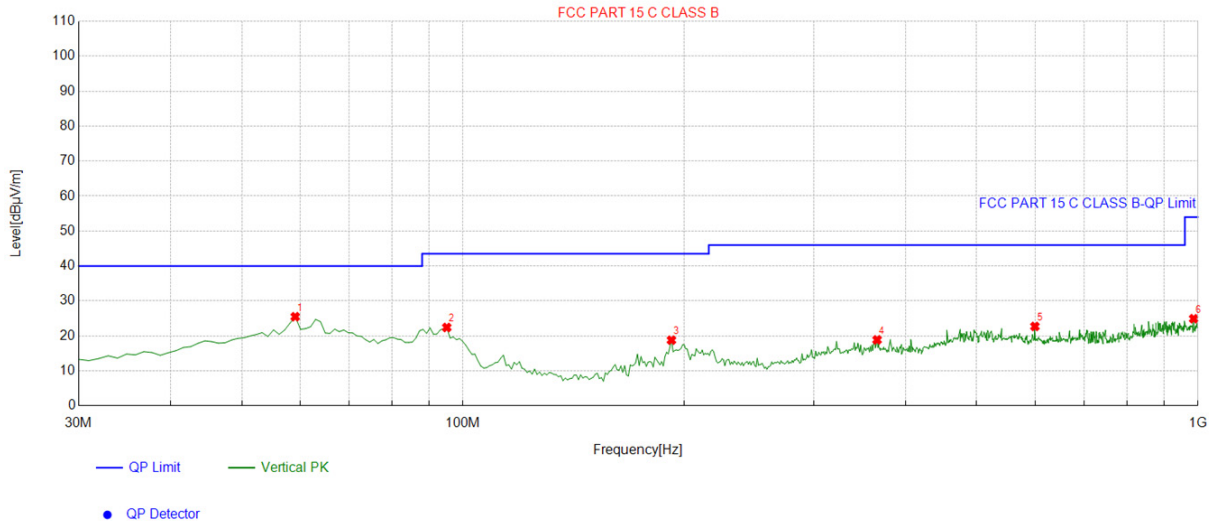
Horizontal



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	41.651652	-13.41	25.89	12.48	40.00	27.52	100	186	Horizontal
2	92.142142	-16.47	32.50	16.03	43.50	27.47	100	354	Horizontal
3	217.39739	-14.66	31.92	17.26	46.00	28.74	100	83	Horizontal
4	337.79779	-10.46	33.44	22.98	46.00	23.02	100	94	Horizontal
5	552.38238	-6.88	29.16	22.28	46.00	23.72	100	337	Horizontal
6	900.96096	-1.06	26.73	25.67	46.00	20.33	100	100	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

Vertical



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	59.129129	-13.54	39.03	25.49	40.00	14.51	100	224	Vertical
2	95.055055	-15.40	37.82	22.42	43.50	21.08	100	221	Vertical
3	192.15215	-15.74	34.53	18.79	43.50	24.71	100	278	Vertical
4	365.95595	-9.63	28.50	18.87	46.00	27.13	100	215	Vertical
5	599.95996	-5.33	28.04	22.71	46.00	23.29	100	171	Vertical
6	986.40640	-0.50	25.42	24.92	54.00	29.08	100	278	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;