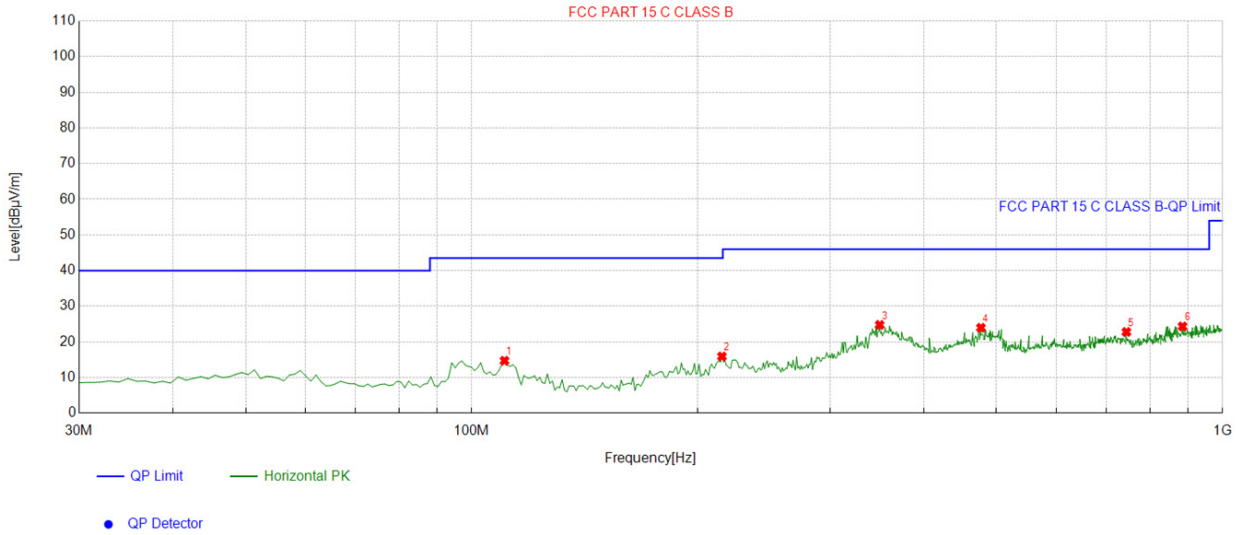
Series Model No.: P6 pro

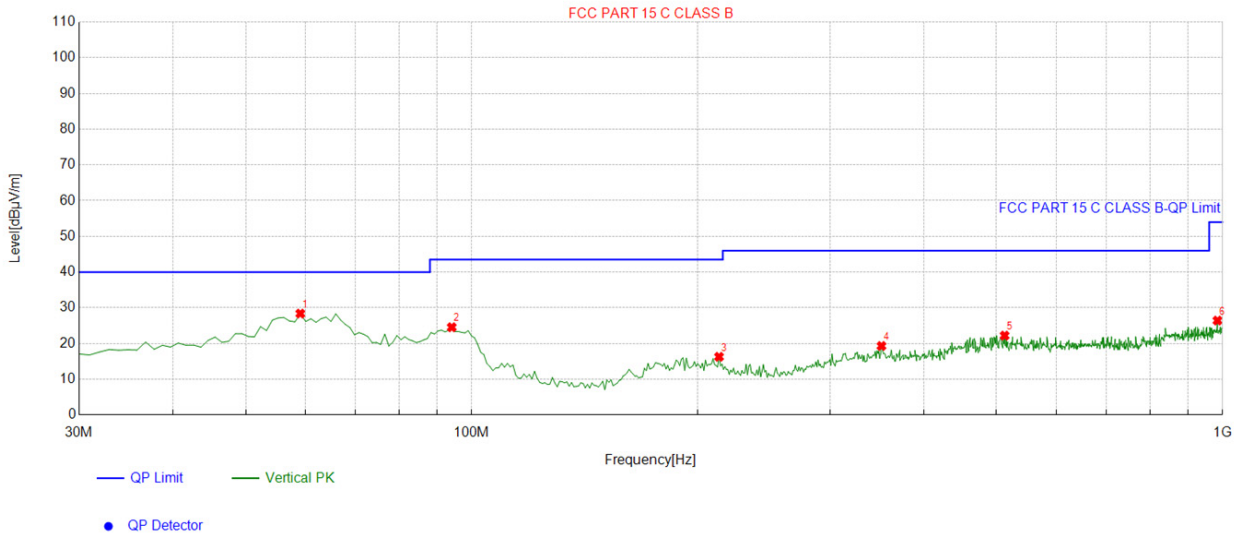
Horizontal



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	110.59059	-14.50	29.21	14.71	43.50	28.79	100	16	Horizontal
2	215.45545	-14.72	30.64	15.92	43.50	27.58	100	98	Horizontal
3	349.44944	-10.04	34.80	24.76	46.00	21.24	100	78	Horizontal
4	476.64664	-8.23	32.19	23.96	46.00	22.04	100	118	Horizontal
5	744.63463	-3.42	26.20	22.78	46.00	23.22	100	227	Horizontal
6	884.45445	-1.69	26.03	24.34	46.00	21.66	100	22	Horizontal

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

Vertical

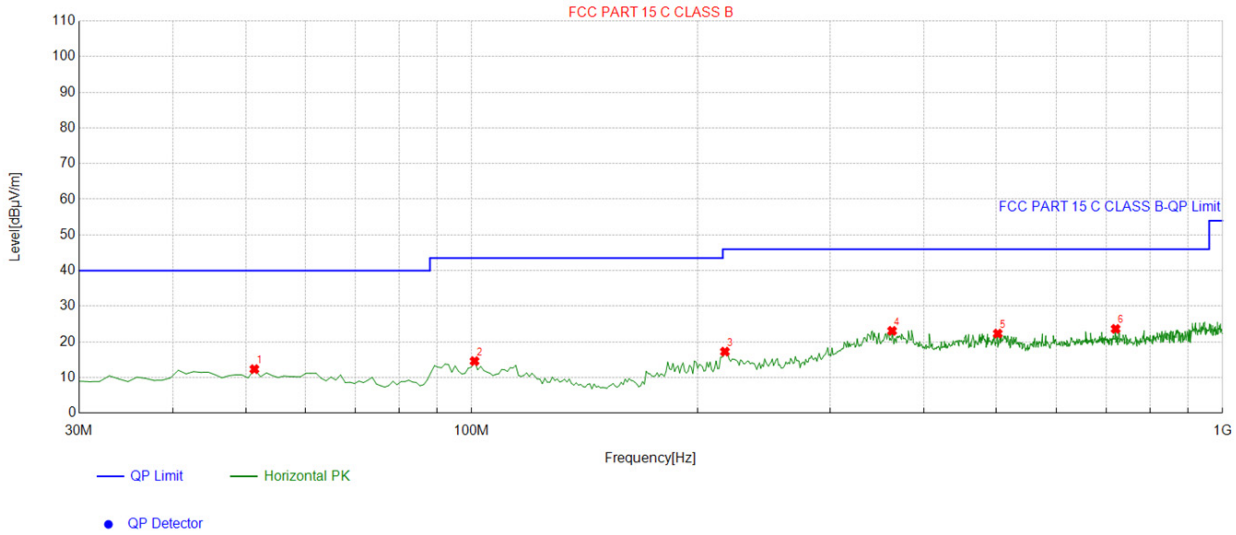


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	59.129129	-13.54	41.92	28.38	40.00	11.62	100	57	Vertical
2	94.084084	-15.78	40.33	24.55	43.50	18.95	100	189	Vertical
3	213.51351	-14.79	31.07	16.28	43.50	27.22	100	149	Vertical
4	351.39139	-10.10	29.42	19.32	46.00	26.68	100	201	Vertical
5	512.57257	-8.10	30.32	22.22	46.00	23.78	100	210	Vertical
6	984.46446	-0.57	27.00	26.43	54.00	27.57	100	43	Vertical

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

Series Model No.: Sp20 Pro

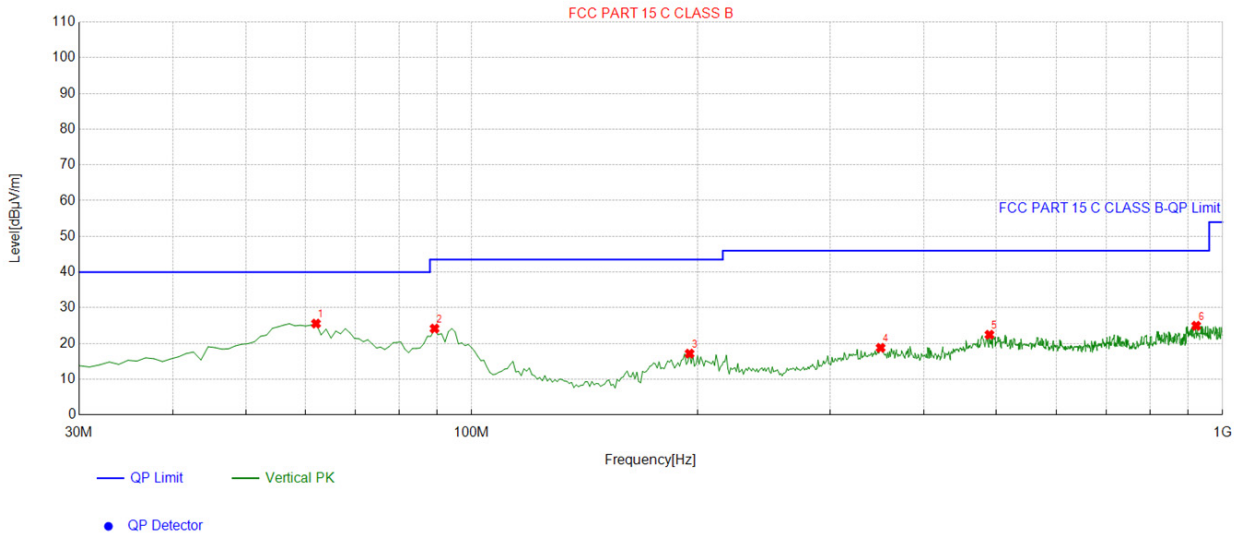
Horizontal



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	51.361361	-13.25	25.60	12.35	40.00	27.65	100	48	Horizontal
2	100.88088	-14.60	29.20	14.60	43.50	28.90	100	328	Horizontal
3	217.39739	-14.66	31.92	17.26	46.00	28.74	100	83	Horizontal
4	363.04304	-9.68	32.76	23.08	46.00	22.92	100	71	Horizontal
5	501.89189	-8.19	30.50	22.31	46.00	23.69	100	126	Horizontal
6	720.36036	-4.25	27.89	23.64	46.00	22.36	100	85	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	62.042042	-14.29	39.86	25.57	40.00	14.43	100	17	Vertical
2	89.229229	-16.75	40.93	24.18	43.50	19.32	100	250	Vertical
3	195.06506	-15.20	32.37	17.17	43.50	26.33	100	359	Vertical
4	350.42042	-10.05	28.84	18.79	46.00	27.21	100	215	Vertical
5	489.26926	-7.90	30.36	22.46	46.00	23.54	100	157	Vertical
6	922.32232	-1.11	26.07	24.96	46.00	21.04	100	327	Vertical

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

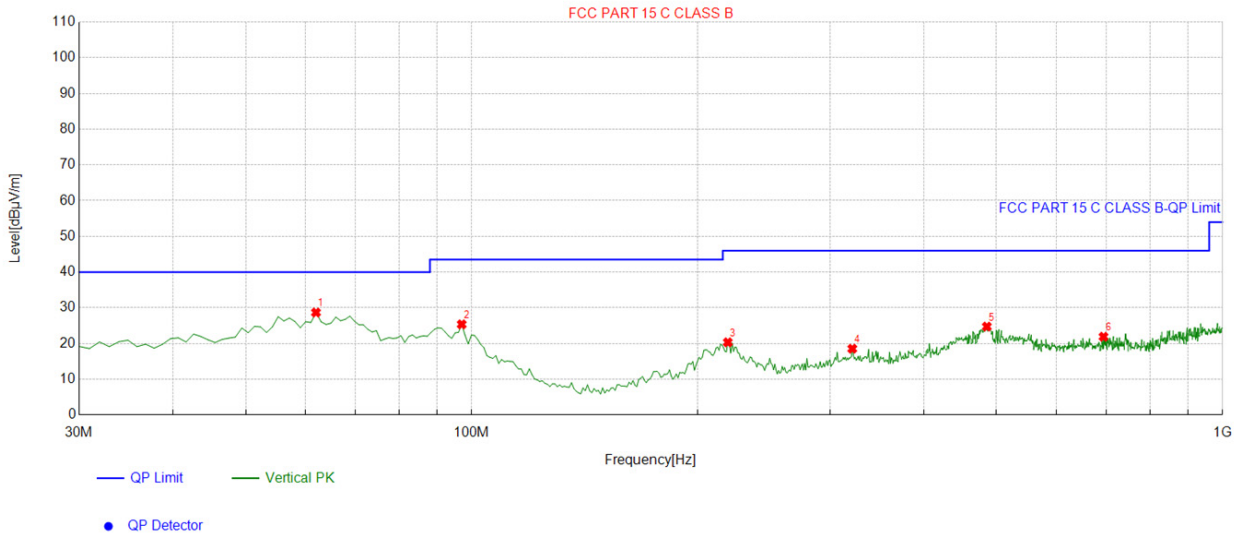
Series Model No.: OP12 pro

Horizontal

Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	98.938939	-14.83	33.61	18.78	43.50	24.72	100	357	Horizontal
2	212.54254	-14.82	35.88	21.06	43.50	22.44	100	72	Horizontal
3	330.03003	-10.89	35.81	24.92	46.00	21.08	100	64	Horizontal
4	457.22722	-8.88	29.23	20.35	46.00	25.65	100	298	Horizontal
5	710.65065	-4.01	26.52	22.51	46.00	23.49	100	247	Horizontal
6	894.16416	-1.20	25.09	23.89	46.00	22.11	100	30	Horizontal

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

Vertical

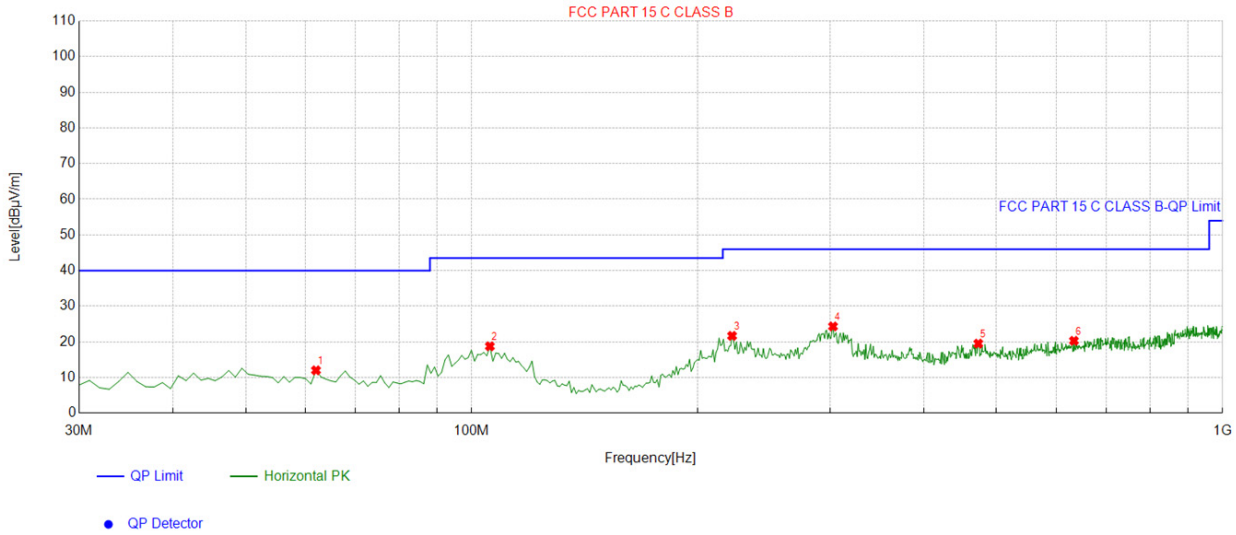


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	62.042042	-14.29	42.97	28.68	40.00	11.32	100	6	Vertical
2	96.996997	-14.95	40.32	25.37	43.50	18.13	100	356	Vertical
3	219.33933	-14.60	34.93	20.33	46.00	25.67	100	26	Vertical
4	321.29129	-11.16	29.70	18.54	46.00	27.46	100	29	Vertical
5	485.38538	-7.93	32.67	24.74	46.00	21.26	100	227	Vertical
6	694.14414	-4.16	26.06	21.90	46.00	24.10	100	101	Vertical

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

Series Model No.: T3 Pro

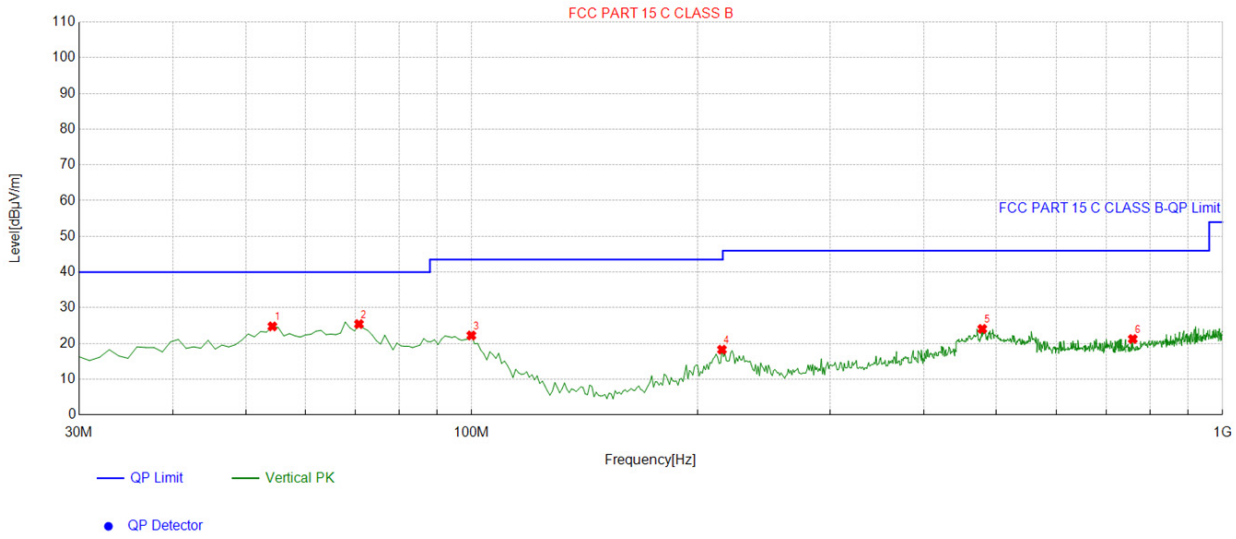
Horizontal



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	62.042042	-14.29	26.31	12.02	40.00	27.98	100	335	Horizontal
2	105.73573	-14.49	33.25	18.76	43.50	24.74	100	355	Horizontal
3	222.25225	-14.27	35.96	21.69	46.00	24.31	100	83	Horizontal
4	302.84284	-11.83	36.16	24.33	46.00	21.67	100	268	Horizontal
5	472.76276	-8.35	27.87	19.52	46.00	26.48	100	280	Horizontal
6	633.94394	-5.04	25.35	20.31	46.00	25.69	100	172	Horizontal

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

Vertical

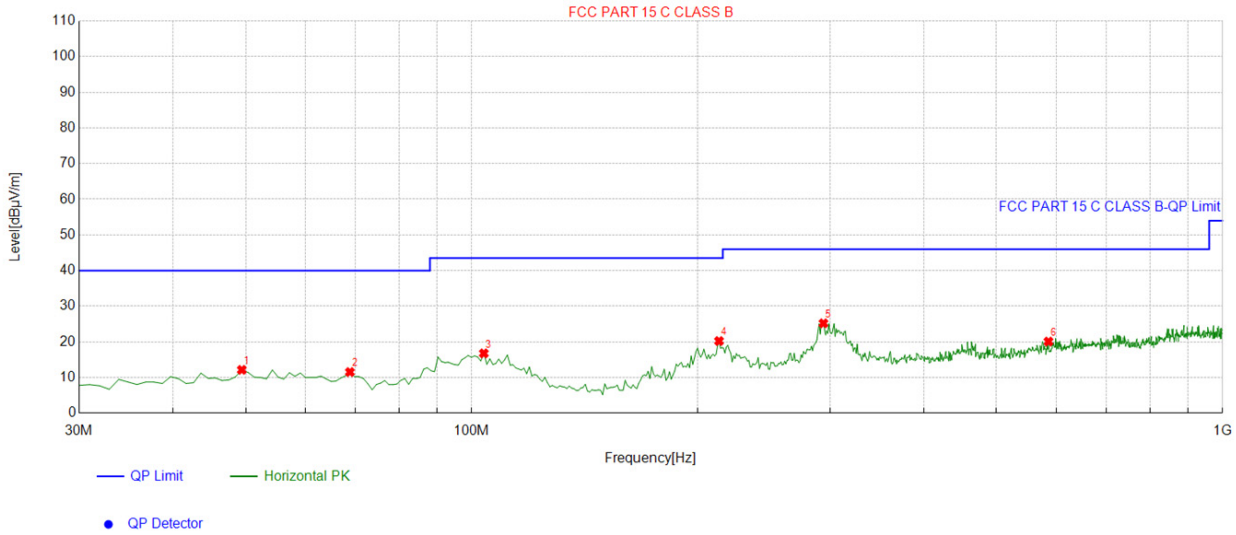


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	54.274274	-13.50	38.29	24.79	40.00	15.21	100	106	Vertical
2	70.780781	-16.89	42.33	25.44	40.00	14.56	100	236	Vertical
3	99.90991	-14.70	36.95	22.25	43.50	21.25	100	72	Vertical
4	215.45545	-14.72	33.00	18.28	43.50	25.22	100	155	Vertical
5	478.58858	-8.26	32.34	24.08	46.00	21.92	100	224	Vertical
6	759.19919	-4.93	26.19	21.26	46.00	24.74	100	360	Vertical

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

Series Model No.: P8 Pro

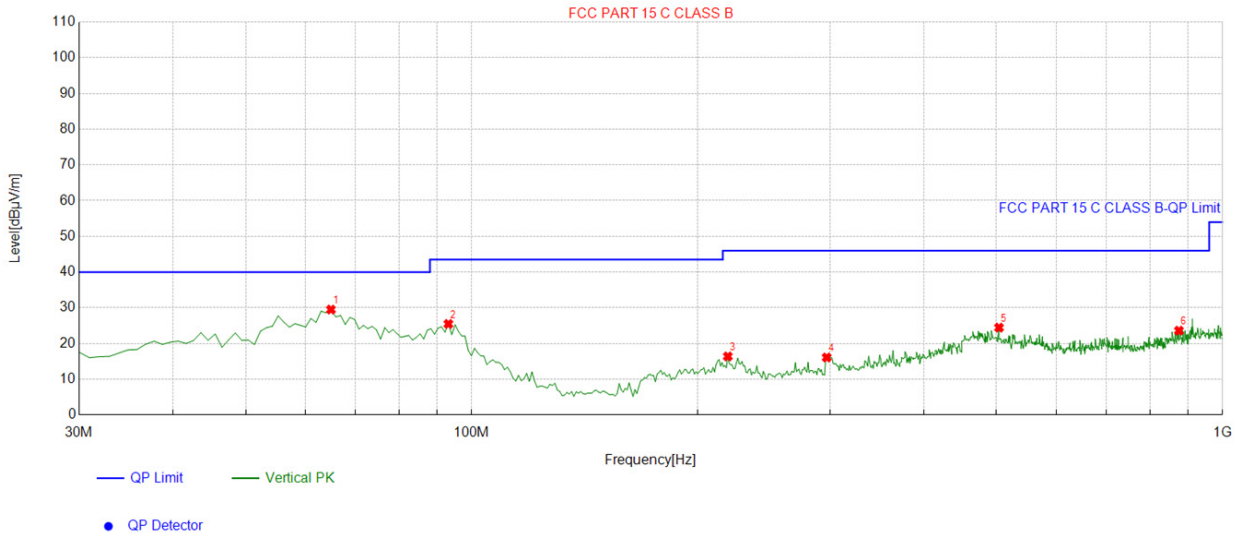
Horizontal



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	49.419419	-13.14	25.29	12.15	40.00	27.85	100	124	Horizontal
2	68.838839	-16.41	27.95	11.54	40.00	28.46	100	189	Horizontal
3	103.79379	-14.69	31.48	16.79	43.50	26.71	100	354	Horizontal
4	213.51351	-14.79	35.03	20.24	43.50	23.26	100	71	Horizontal
5	294.10410	-11.94	37.15	25.21	46.00	20.79	100	250	Horizontal
6	586.36636	-5.66	25.75	20.09	46.00	25.91	100	291	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	64.954955	-15.33	44.83	29.50	40.00	10.50	100	130	Vertical
2	93.113113	-15.92	41.40	25.48	43.50	18.02	100	231	Vertical
3	219.33933	-14.60	30.99	16.39	46.00	29.61	100	122	Vertical
4	297.01701	-11.84	27.93	16.09	46.00	29.91	100	14	Vertical
5	503.83383	-8.20	32.65	24.45	46.00	21.55	100	194	Vertical
6	874.74474	-1.70	25.31	23.61	46.00	22.39	100	246	Vertical

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

Harmonics and Spurious Emissions

Frequency Range (9kHz-30MHz)

Frequency (MHz)	Level@3m (dBµV/m)	Limit@3m (dBµV/m)
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Note:*1. Emission Level=Reading+ Cable loss+ Antenna factor-Amp factor.*
2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement.

For 1GHz to 25GHz

CH Low (2402MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4804.00	53.65	-3.65	50.00	74.00	-24.00	peak
4804.00	42.82	-3.65	39.17	54.00	-14.83	AVG
7206.00	50.33	-0.95	49.38	74.00	-24.62	peak
7206.00	40.59	-0.95	39.64	54.00	-14.36	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4804.00	53.68	-3.65	50.03	74.00	-23.97	peak
4804.00	42.61	-3.65	38.96	54.00	-15.04	AVG
7206.00	50.96	-0.95	50.01	74.00	-23.99	peak
7206.00	40.68	-0.95	39.73	54.00	-14.27	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

CH Middle (2441MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4882.00	54.16	-3.54	50.62	74.00	-23.38	peak
4882.00	42.95	-3.54	39.41	54.00	-14.59	AVG
7323.00	51.59	-0.81	50.78	74.00	-23.22	peak
7323.00	39.96	-0.81	39.15	54.00	-14.85	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4882.00	55.20	-3.54	51.66	74.00	-22.34	peak
4882.00	43.36	-3.54	39.82	54.00	-14.18	AVG
7323.00	51.33	-0.81	50.52	74.00	-23.48	peak
7323.00	41.19	-0.81	40.38	54.00	-13.62	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

CH High (2480MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	54.78	-3.43	51.35	74.00	-22.65	peak
4960.00	43.23	-3.44	39.79	54.00	-14.21	AVG
7440.00	51.78	-0.77	51.01	74.00	-22.99	peak
7440.00	41.34	-0.77	40.57	54.00	-13.43	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	55.12	-3.43	51.69	74.00	-22.31	peak
4960.00	43.20	-3.44	39.76	54.00	-14.24	AVG
7440.00	50.58	-0.77	49.81	74.00	-24.19	peak
7440.00	41.06	-0.77	40.29	54.00	-13.71	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Series Model No.: R12 pro

CH High (2480MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	54.58	-3.43	51.15	74.00	-22.85	peak
4960.00	42.93	-3.44	39.49	54.00	-14.51	AVG
7440.00	50.94	-0.77	50.17	74.00	-23.83	peak
7440.00	40.79	-0.77	40.02	54.00	-13.98	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	53.74	-3.43	50.31	74.00	-23.69	peak
4960.00	42.39	-3.44	38.95	54.00	-15.05	AVG
7440.00	50.06	-0.77	49.29	74.00	-24.71	peak
7440.00	39.95	-0.77	39.18	54.00	-14.82	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Series Model No.: P5 pro

CH High (2480MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	54.97	-3.43	51.54	74.00	-22.46	peak
4960.00	41.54	-3.44	38.10	54.00	-15.90	AVG
7440.00	51.01	-0.77	50.24	74.00	-23.76	peak
7440.00	41.44	-0.77	40.67	54.00	-13.33	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	53.62	-3.43	50.19	74.00	-23.81	peak
4960.00	42.12	-3.44	38.68	54.00	-15.32	AVG
7440.00	51.94	-0.77	51.17	74.00	-22.83	peak
7440.00	40.63	-0.77	39.86	54.00	-14.14	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Series Model No.: E50 Ultra

CH High (2480MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	52.15	-3.43	48.72	74.00	-25.28	peak
4960.00	41.48	-3.44	38.04	54.00	-15.96	AVG
7440.00	50.07	-0.77	49.30	74.00	-24.70	peak
7440.00	38.24	-0.77	37.47	54.00	-16.53	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	51.84	-3.43	48.41	74.00	-25.59	peak
4960.00	42.92	-3.44	39.48	54.00	-14.52	AVG
7440.00	50.56	-0.77	49.79	74.00	-24.21	peak
7440.00	38.36	-0.77	37.59	54.00	-16.41	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Series Model No.: I16 pro max

CH High (2480MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	53.69	-3.43	50.26	74.00	-23.74	peak
4960.00	42.72	-3.44	39.28	54.00	-14.72	AVG
7440.00	49.42	-0.77	48.65	74.00	-25.35	peak
7440.00	39.89	-0.77	39.12	54.00	-14.88	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	53.35	-3.43	49.92	74.00	-24.08	peak
4960.00	41.77	-3.44	38.33	54.00	-15.67	AVG
7440.00	51.22	-0.77	50.45	74.00	-23.55	peak
7440.00	38.24	-0.77	37.47	54.00	-16.53	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Series Model No.: P6 pro

CH High (2480MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	52.99	-3.43	49.56	74.00	-24.44	peak
4960.00	42.42	-3.44	38.98	54.00	-15.02	AVG
7440.00	49.72	-0.77	48.95	74.00	-25.05	peak
7440.00	38.36	-0.77	37.59	54.00	-16.41	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	52.07	-3.43	48.64	74.00	-25.36	peak
4960.00	42.33	-3.44	38.89	54.00	-15.11	AVG
7440.00	50.53	-0.77	49.76	74.00	-24.24	peak
7440.00	38.96	-0.77	38.19	54.00	-15.81	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Series Model No.: Sp20 Pro

CH High (2480MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	52.19	-3.43	48.76	74.00	-25.24	peak
4960.00	42.33	-3.44	38.89	54.00	-15.11	AVG
7440.00	49.53	-0.77	48.76	74.00	-25.24	peak
7440.00	38.48	-0.77	37.71	54.00	-16.29	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	53.51	-3.43	50.08	74.00	-23.92	peak
4960.00	42.29	-3.44	38.85	54.00	-15.15	AVG
7440.00	50.47	-0.77	49.70	74.00	-24.30	peak
7440.00	38.11	-0.77	37.34	54.00	-16.66	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Series Model No.: OP12 pro

CH High (2480MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	52.98	-3.43	49.55	74.00	-24.45	peak
4960.00	41.93	-3.44	38.49	54.00	-15.51	AVG
7440.00	50.03	-0.77	49.26	74.00	-24.74	peak
7440.00	38.03	-0.77	37.26	54.00	-16.74	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	53.03	-3.43	49.60	74.00	-24.40	peak
4960.00	42.97	-3.44	39.53	54.00	-14.47	AVG
7440.00	50.66	-0.77	49.89	74.00	-24.11	peak
7440.00	38.21	-0.77	37.44	54.00	-16.56	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Series Model No.: T3 Pro

CH High (2480MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	53.54	-3.43	50.11	74.00	-23.89	peak
4960.00	41.55	-3.44	38.11	54.00	-15.89	AVG
7440.00	49.70	-0.77	48.93	74.00	-25.07	peak
7440.00	38.80	-0.77	38.03	54.00	-15.97	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	51.87	-3.43	48.44	74.00	-25.56	peak
4960.00	41.16	-3.44	37.72	54.00	-16.28	AVG
7440.00	50.49	-0.77	49.72	74.00	-24.28	peak
7440.00	38.66	-0.77	37.89	54.00	-16.11	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Series Model No.: P8 Pro

CH High (2480MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	52.08	-3.43	48.65	74.00	-25.35	peak
4960.00	42.92	-3.44	39.48	54.00	-14.52	AVG
7440.00	50.49	-0.77	49.72	74.00	-24.28	peak
7440.00	38.61	-0.77	37.84	54.00	-16.16	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4960.00	53.25	-3.43	49.82	74.00	-24.18	peak
4960.00	41.64	-3.44	38.20	54.00	-15.80	AVG
7440.00	50.32	-0.77	49.55	74.00	-24.45	peak
7440.00	38.77	-0.77	38.00	54.00	-16.00	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - Limit.						

Remark:
(1) Measuring frequencies from 1 GHz to the 25 GHz.
(2) “F” denotes fundamental frequency; “H” denotes spurious frequency; “E” denotes band edge frequency.
(3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
(4) The emissions are attenuated more than 20dB below the permissible limits are not recorded in the report.
(5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
(6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.
(7) All modes of operation were investigated and the worst-case emissions are reported.

Radiated Band Edge Test:

Hopping

Horizontal (Worst case):

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2310.00	56.26	-5.81	50.45	74	-23.55	peak
2310.00	/	-5.81	/	54	/	AVG
2390.00	53.91	-5.84	48.07	74	-25.93	peak
2390.00	/	-5.84	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2310.00	55.85	-5.81	50.04	74	-23.96	peak
2310.00	/	-5.81	/	54	/	AVG
2390.00	54.06	-5.84	48.22	74	-25.78	peak
2390.00	/	-5.84	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Horizontal (Worst case):

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.19	-5.81	50.38	74	-23.62	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.82	-6.06	47.76	74	-26.24	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	55.88	-5.81	50.07	74	-23.93	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	54.15	-6.06	48.09	74	-25.91	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

NO hopping

Operation Mode: TX CH Low (2402MHz)

Horizontal (Worst case):

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2310.00	55.85	-5.81	50.04	74	-23.96	peak
2310.00	/	-5.81	/	54	/	AVG
2390.00	54.08	-5.84	48.24	74	-25.76	peak
2390.00	/	-5.84	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2310.00	56.12	-5.81	50.31	74	-23.69	peak
2310.00	/	-5.81	/	54	/	AVG
2390.00	54.13	-5.84	48.29	74	-25.71	peak
2390.00	/	-5.84	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Operation Mode: TX CH High (2480MHz)

Horizontal (Worst case):

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	55.95	-5.81	50.14	74	-23.86	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	54.11	-6.06	48.05	74	-25.95	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.31	-5.81	50.5	74	-23.5	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.82	-6.06	47.76	74	-26.24	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

All modes of operation were investigated and the worst-case emissions are reported.
Series Model No.: R12 pro

Hopping
Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.08	-5.81	50.27	74	-23.73	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.91	-6.06	47.85	74	-26.15	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	55.93	-5.81	50.12	74	-23.88	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	54.13	-6.06	48.07	74	-25.93	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

NO hopping
Operation Mode: TX CH High (2480MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.19	-5.81	50.38	74	-23.62	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	54.11	-6.06	48.05	74	-25.95	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	55.94	-5.81	50.13	74	-23.87	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.71	-6.06	47.65	74	-26.35	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Series Model No.: P5 pro

Hopping
Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	55.92	-5.81	50.11	74	-23.89	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.90	-6.06	47.84	74	-26.16	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	55.98	-5.81	50.17	74	-23.83	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	54.03	-6.06	47.97	74	-26.03	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

NO hopping
Operation Mode: TX CH High (2480MHz)

Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.50	56.04	-5.81	50.23	74	-23.77	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.79	-6.06	47.73	74	-26.27	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.50	56.05	-5.81	50.24	74	-23.76	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.77	-6.06	47.71	74	-26.29	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Series Model No.: E50 Ultra

Hopping
Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.12	-5.81	50.31	74	-23.69	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.81	-6.06	47.75	74	-26.25	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	55.94	-5.81	50.13	74	-23.87	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.92	-6.06	47.86	74	-26.14	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

NO hopping
Operation Mode: TX CH High (2480MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	55.83	-5.81	50.02	74	-23.98	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.92	-6.06	47.86	74	-26.14	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	55.87	-5.81	50.06	74	-23.94	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	54.03	-6.06	47.97	74	-26.03	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Series Model No.: I16 pro max

Hopping
Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.25	-5.81	50.44	74	-23.56	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.98	-6.06	47.92	74	-26.08	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.22	-5.81	50.41	74	-23.59	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	54.17	-6.06	48.11	74	-25.89	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

NO hopping
Operation Mode: TX CH High (2480MHz)

Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.50	56.22	-5.81	50.41	74	-23.59	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.84	-6.06	47.78	74	-26.22	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.50	55.90	-5.81	50.09	74	-23.91	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.87	-6.06	47.81	74	-26.19	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Series Model No.: P6 pro

Hopping
Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.13	-5.81	50.32	74	-23.68	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.81	-6.06	47.75	74	-26.25	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.19	-5.81	50.38	74	-23.62	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	54.02	-6.06	47.96	74	-26.04	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

NO hopping
Operation Mode: TX CH High (2480MHz)

Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.50	55.85	-5.81	50.04	74	-23.96	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	54.13	-6.06	48.07	74	-25.93	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.50	56.28	-5.81	50.47	74	-23.53	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.68	-6.06	47.62	74	-26.38	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Series Model No.: Sp20 Pro

Hopping
Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	55.87	-5.81	50.06	74	-23.94	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	54.08	-6.06	48.02	74	-25.98	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.29	-5.81	50.48	74	-23.52	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.95	-6.06	47.89	74	-26.11	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

NO hopping
Operation Mode: TX CH High (2480MHz)

Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.50	56.23	-5.81	50.42	74	-23.58	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.70	-6.06	47.64	74	-26.36	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.50	56.25	-5.81	50.44	74	-23.56	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.88	-6.06	47.82	74	-26.18	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Series Model No.: OP12 pro

Hopping
Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.01	-5.81	50.2	74	-23.8	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	54.06	-6.06	48	74	-26	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.32	-5.81	50.51	74	-23.49	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.75	-6.06	47.69	74	-26.31	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

NO hopping
Operation Mode: TX CH High (2480MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.16	-5.81	50.35	74	-23.65	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.88	-6.06	47.82	74	-26.18	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.11	-5.81	50.3	74	-23.7	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	54.15	-6.06	48.09	74	-25.91	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Series Model No.: T3 Pro

Hopping
Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	55.83	-5.81	50.02	74	-23.98	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.71	-6.06	47.65	74	-26.35	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.03	-5.81	50.22	74	-23.78	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.83	-6.06	47.77	74	-26.23	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

NO hopping
Operation Mode: TX CH High (2480MHz)

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	55.99	-5.81	50.18	74	-23.82	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.87	-6.06	47.81	74	-26.19	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	55.90	-5.81	50.09	74	-23.91	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.86	-6.06	47.8	74	-26.2	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Series Model No.: P8 Pro

Hopping
Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.16	-5.81	50.35	74	-23.65	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.97	-6.06	47.91	74	-26.09	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	55.86	-5.81	50.05	74	-23.95	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	54.04	-6.06	47.98	74	-26.02	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

NO hopping
Operation Mode: TX CH High (2480MHz)

Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.50	56.24	-5.81	50.43	74	-23.57	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	54.09	-6.06	48.03	74	-25.97	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.50	56.03	-5.81	50.22	74	-23.78	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.85	-6.06	47.79	74	-26.21	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

Remark:
1. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.
2. In restricted bands of operation, the spurious emissions below the permissible value more than 20dB.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

3.3. Maximum Peak Conducted Output Power

Limit

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

Test Procedure

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the RF automatic control unit.

Test Configuration

Test Results

Type	Channel	Maximum Peak Conducted Output Power (dBm)	Limit (dBm)	Result
GFSK	00	6.19	21.00	Pass
	39	7.66		
	78	6.47		
π/4DQPSK	00	6.11	21.00	Pass
	39	6.80		
	78	6.75		
8DPSK	00	6.25	21.00	Pass
	39	6.90		
	78	6.84		

Note: 1.The test results including the cable lose.

3.4. 20dB Bandwidth

Limit

For frequency hopping systems operating in the 2400MHz-2483.5MHz no limit for 20dB bandwidth.

Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30 KHz RBW and 100 KHz VBW.

The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

RBW=1% to 5% of the OBW
VBW=approximately 3 X RBW
Detector=Peak
Trace Mode: Max Hold

Use the 99% power bandwidth function of the instrument to measure the Occupied Bandwidth and recoded.

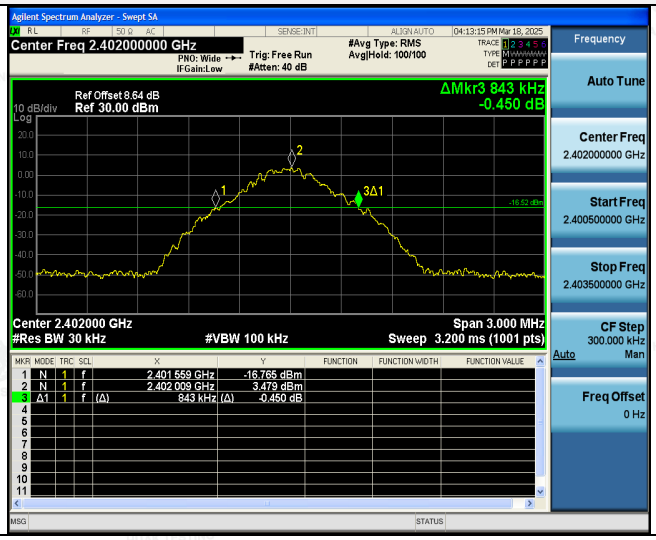
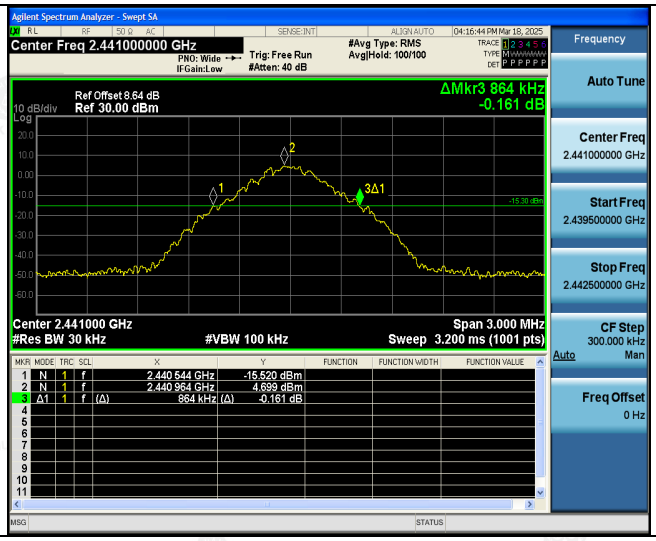
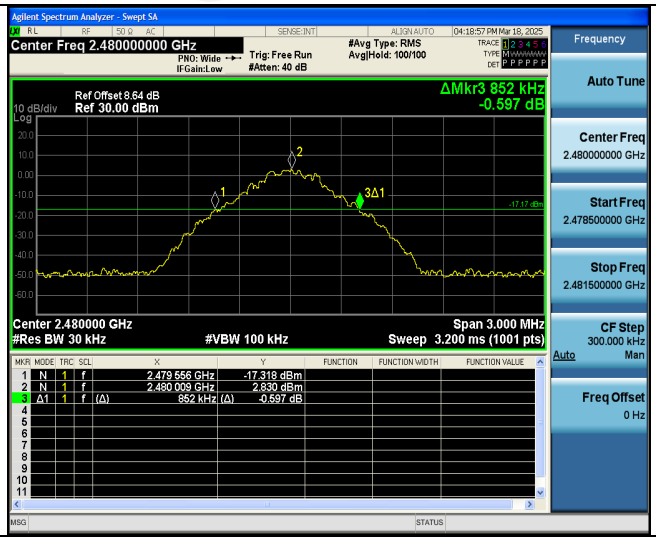
Test Configuration

Test Results

Modulation	Channel	20dB bandwidth (MHz)	Result
GFSK	CH00	0.843	Pass
	CH39	0.864	
	CH78	0.852	
π/4DQPSK	CH00	1.284	
	CH39	1.272	
	CH78	1.272	
8DPSK	CH00	1.281	
	CH39	1.299	
	CH78	1.281	

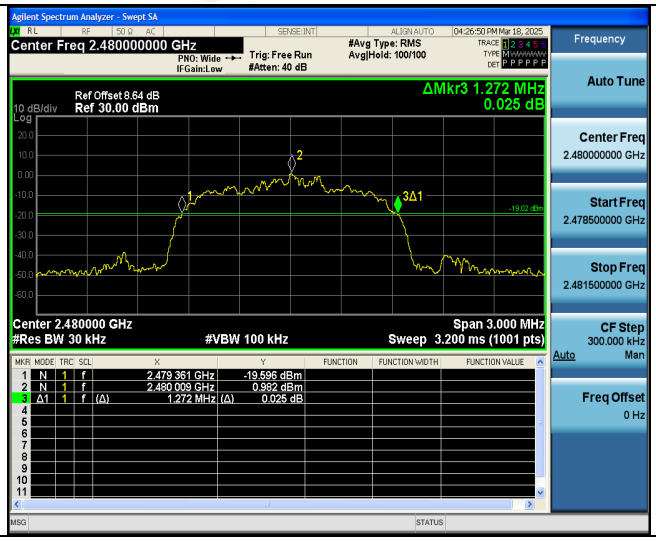
Test plot as follows:

20dB Bandwidth

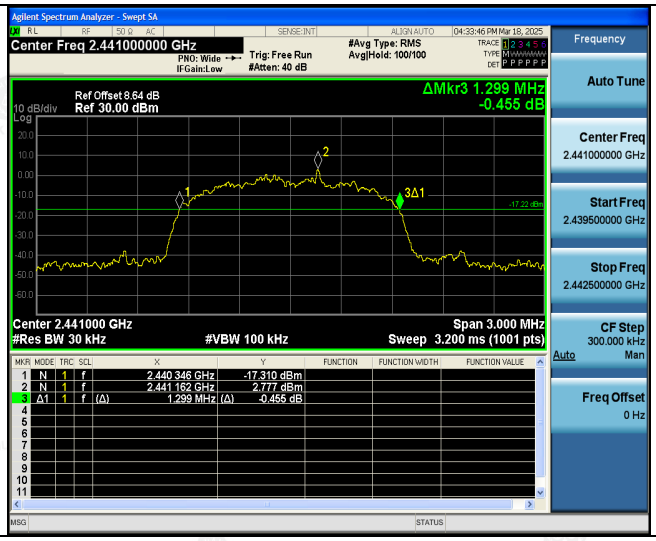
GFSK Modulation

CH00

CH39

CH78

π/4DQPSK Modulation

CH00

CH39

CH78

8DPSK Modulation

CH00

CH39

CH78

3.5. Frequency Separation

LIMIT

Frequency hopping systems shall have hopping channel carrier frequencies separated by minimum of 25 KHz or the 2/3*20dB bandwidth of the hopping channel, whichever is greater.

TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 300 KHz RBW and 1000 KHz VBW.

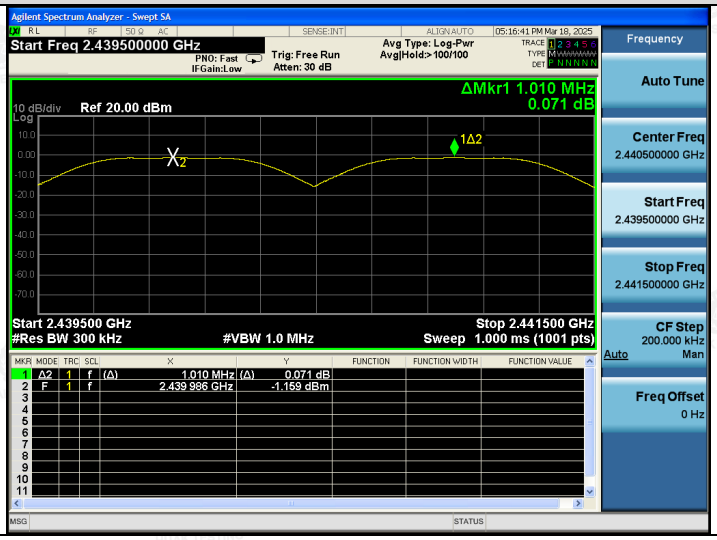
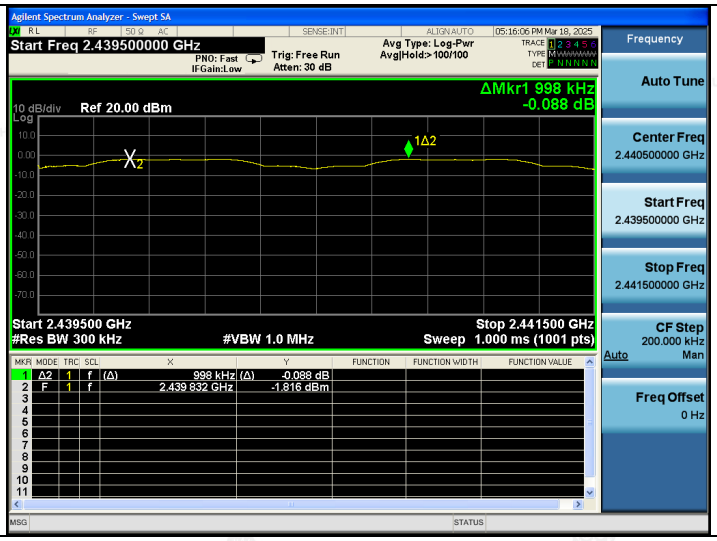
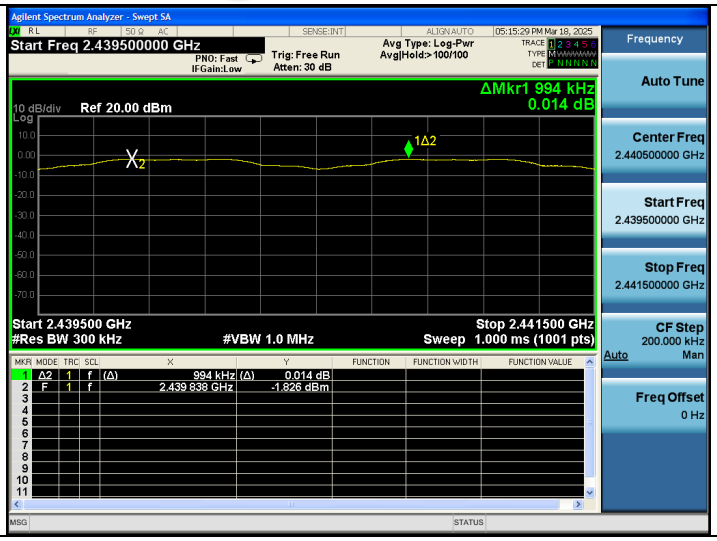
TEST CONFIGURATION

TEST RESULTS

Modulation	Channel	Channel Separation (MHz)	Limit(MHz)	Result
GFSK	Middle Channel	1.010	0.576	Pass
π/4DQPSK	Middle Channel	0.998	0.856	Pass
8DPSK	Middle Channel	0.994	0.866	Pass

Note: We have tested all mode at high, middle and low channel, and recorded worst case at middle.

Test plot as follows:

Frequency Separation

GFSK

π/4DQPSK

8DPSK

3.6. Number of Hopping Frequency

Limit

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels.

Test Procedure

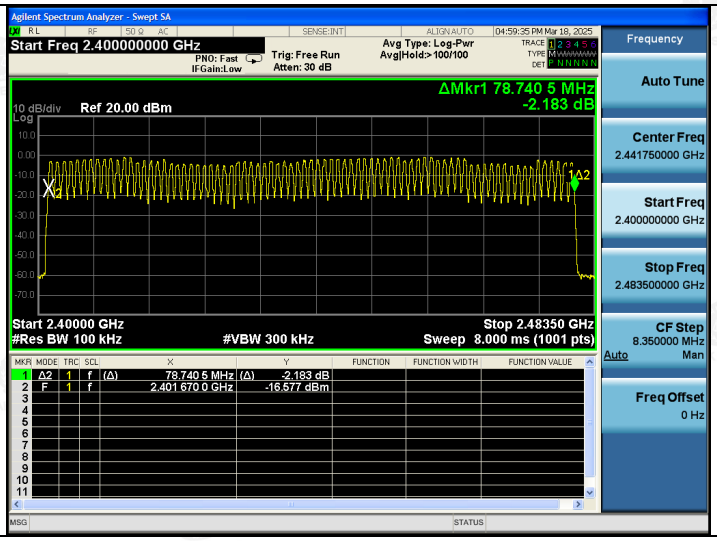
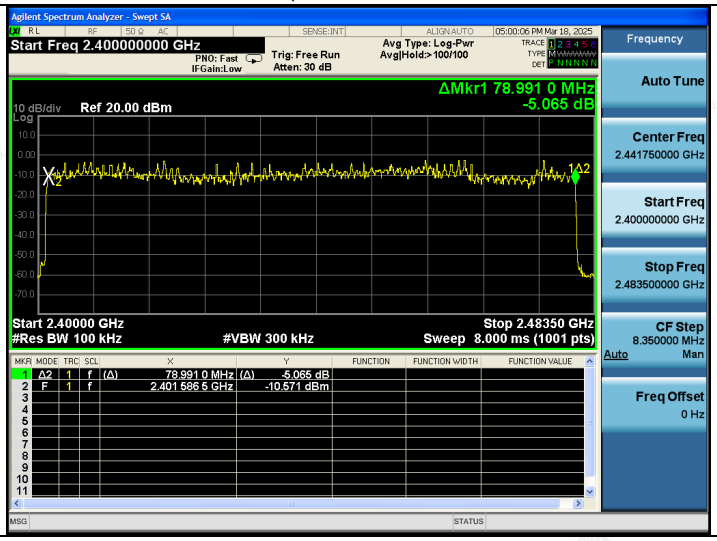
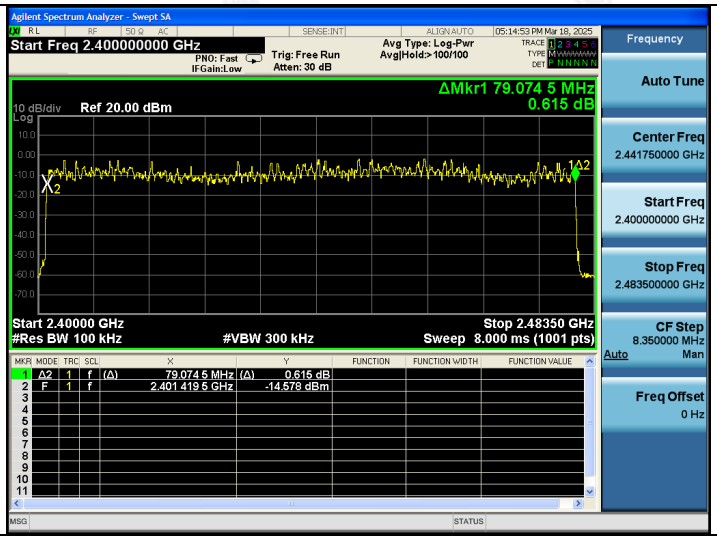
The transmitter output was connected to the spectrum analyzer through an attenuator. Set spectrum analyzer start 2400MHz to 2483.5MHz.

Test Configuration

Test Results

Modulation	Number of Hopping Channel	Limit	Result
GFSK	79	≥15	Pass
π/4DQPSK	79		
8DPSK	79		

Test plot as follows:

GFSK Modulation

π/4DQPSK Modulation

8DPSK Modulation


3.7. Time of Occupancy (Dwell Time)

Limit

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. Set center frequency of spectrum analyzer=operating frequency with 1MHz RBW and 3MHz VBW, Span 0Hz.

Test Configuration

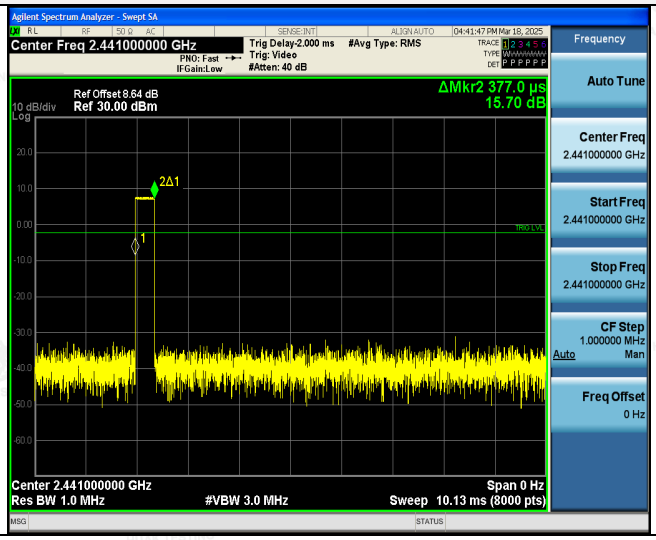
Test Results

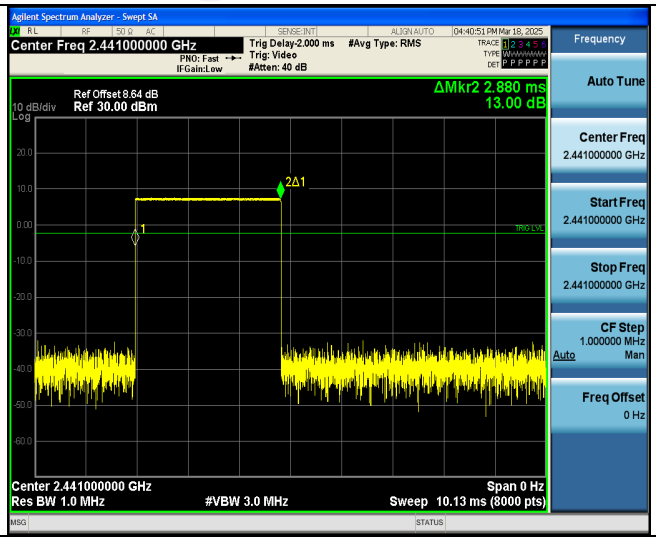
Modulation	Packet	Pulse time (ms)	Dwell time (second)	Limit (second)	Result
GFSK	DH1	0.377	0.121	0.40	PASS
	DH3	1.633	0.261		
	DH5	2.880	0.307		
π/4DQPSK	2-DH1	0.384	0.123	0.40	PASS
	2-DH3	1.635	0.262		
	2-DH5	2.883	0.308		
8DPSK	3-DH1	0.385	0.123	0.40	PASS
	3-DH3	1.633	0.261		
	3-DH5	2.885	0.308		

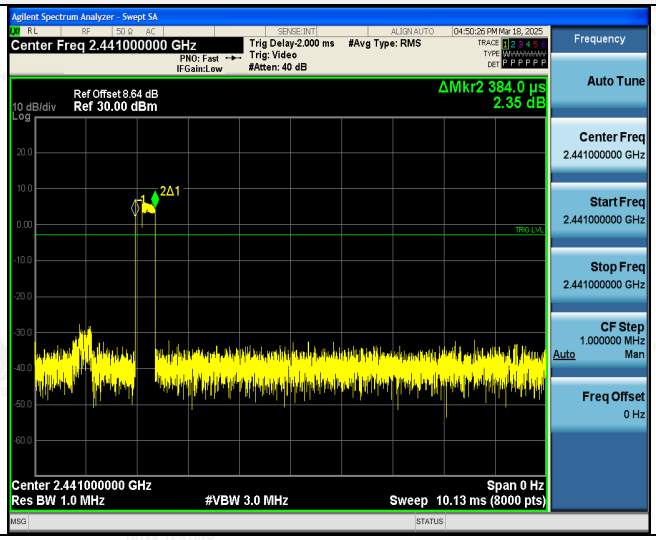
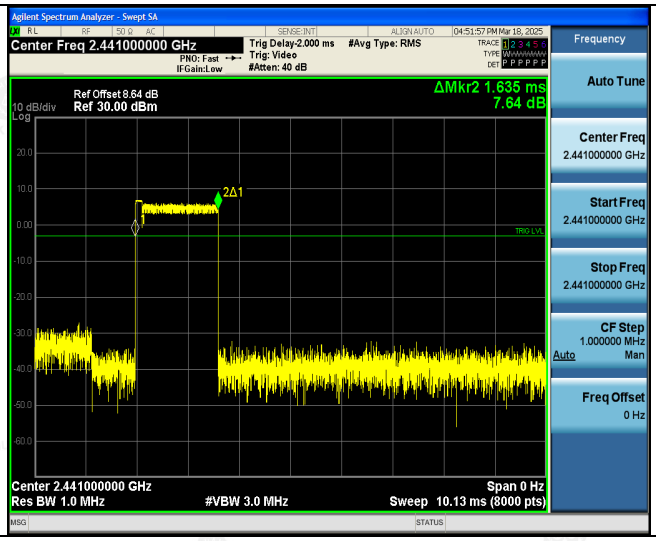
Note:

1. We have tested all mode at high, middle and low channel, and recoreded worst case at middle channel.
2. Dwell time=Pulse time (ms) × (1600 ÷ 2 ÷ 79) ×31.6 Second for DH1, 2-DH1, 3-DH1
   Dwell time=Pulse time (ms) × (1600 ÷ 4 ÷ 79) ×31.6 Second for DH3, 2-DH3, 3-DH3
   Dwell time=Pulse time (ms) × (1600 ÷ 6 ÷ 79) ×31.6 Second for DH5, 2-DH5, 3-DH5

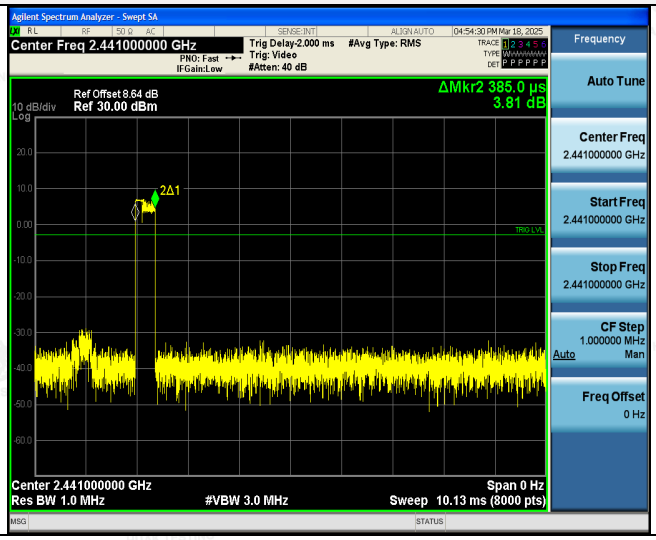
Test plot as follows:

GFSK Modulation

DH1

DH3

DH5

π/4DQPSK Modulation

2-DH1

2-DH3

2-DH5

8DPSK Modulation

3-DH1

3-DH3

3-DH5