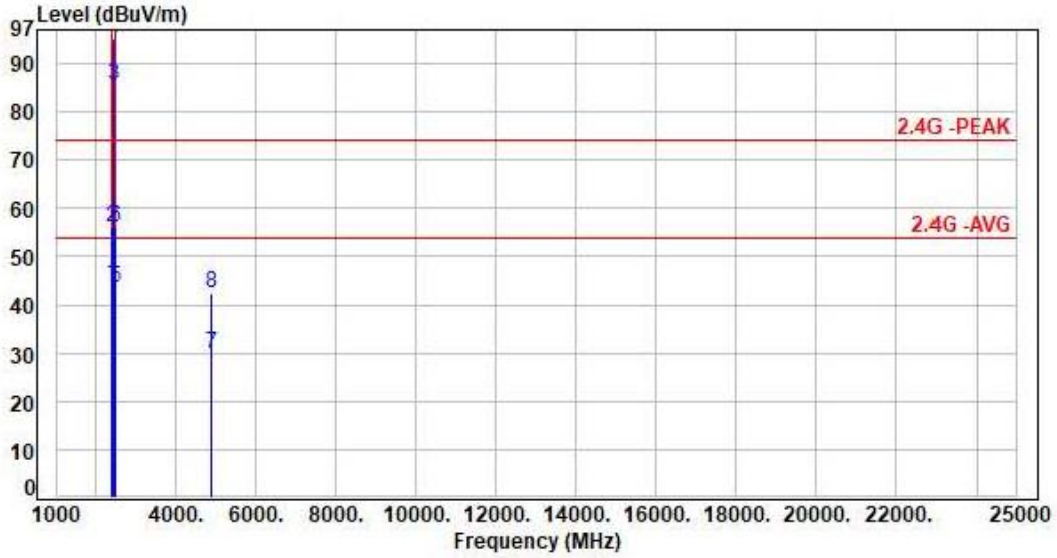
For Panel Antenna

Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, CH06		:	

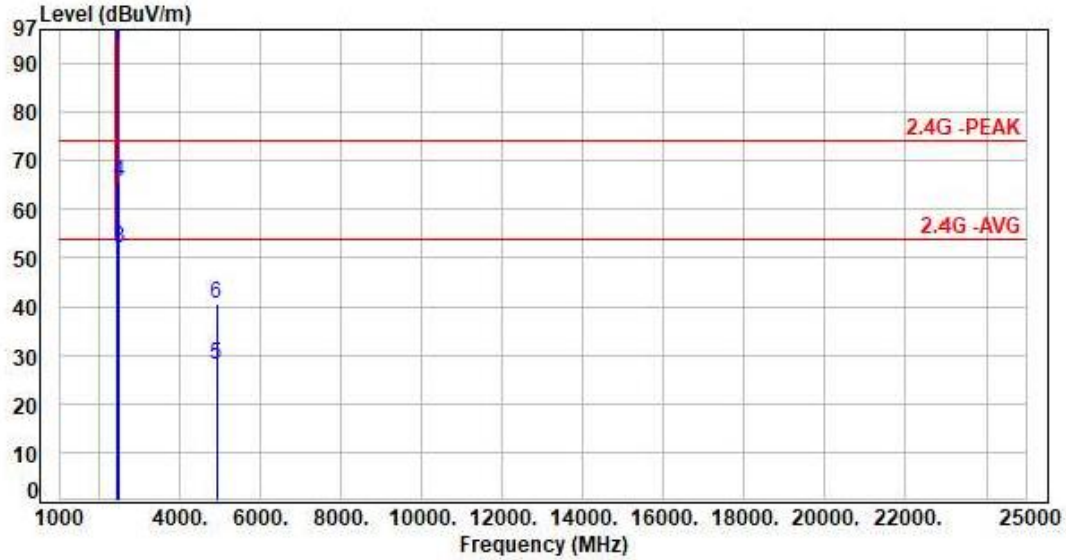


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.29	59.45	44.16	54.00	-9.84	Average	145	321	P
2	2390.00	-15.29	71.27	55.98	74.00	-18.02	Peak	145	321	P
3	2437.00	-15.43	100.92	85.49	200.00	-114.51	Average	145	321	P
4	2437.00	-15.43	110.61	95.18	200.00	-104.82	Peak	145	321	P
5	2483.50	-15.35	58.82	43.47	54.00	-10.53	Average	145	321	P
6	2483.50	-15.35	71.39	56.04	74.00	-17.96	Peak	145	321	P
7	4874.00	-7.04	36.81	29.77	54.00	-24.23	Average	159	341	P
8	4874.00	-7.04	49.41	42.37	74.00	-31.63	Peak	159	341	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Panel Antenna

Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, CH09		:	

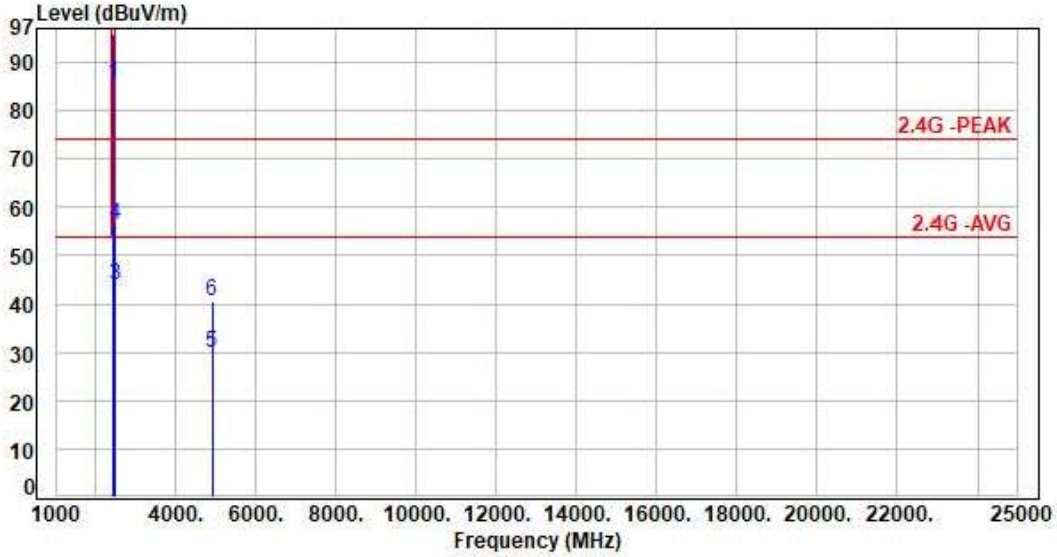


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2452.00	-15.46	109.27	93.81	200.00	-106.19	Average	135	357	P
2	2452.00	-15.46	118.13	102.67	200.00	-97.33	Peak	135	357	P
3	2483.50	-15.35	67.51	52.16	54.00	-1.84	Average	135	357	P
4	2483.50	-15.35	81.04	65.69	74.00	-8.31	Peak	135	357	P
5	4904.00	-6.88	35.09	28.21	54.00	-25.79	Average	100	309	P
6	4904.00	-6.88	47.40	40.52	74.00	-33.48	Peak	100	309	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Panel Antenna

Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, CH09		:	

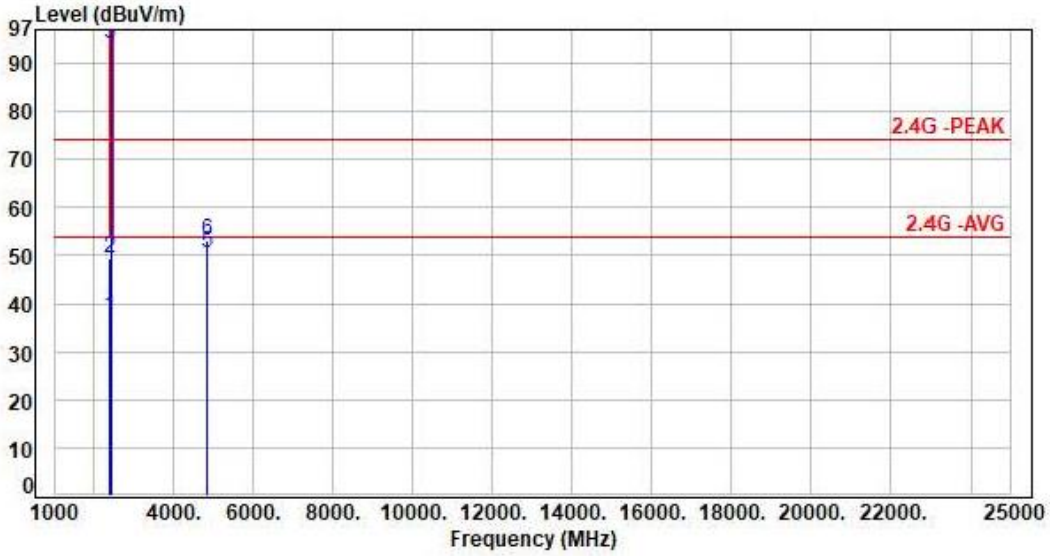


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2452.00	-15.46	101.00	85.54	200.00	-114.46	Average	141	325	P
2	2452.00	-15.46	111.28	95.82	200.00	-104.18	Peak	141	325	P
3	2483.50	-15.35	59.25	43.90	54.00	-10.10	Average	141	325	P
4	2483.50	-15.35	71.62	56.27	74.00	-17.73	Peak	141	325	P
5	4904.00	-6.88	36.64	29.76	54.00	-24.24	Average	158	338	P
6	4904.00	-6.88	47.62	40.74	74.00	-33.26	Peak	158	338	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, CH01		:	

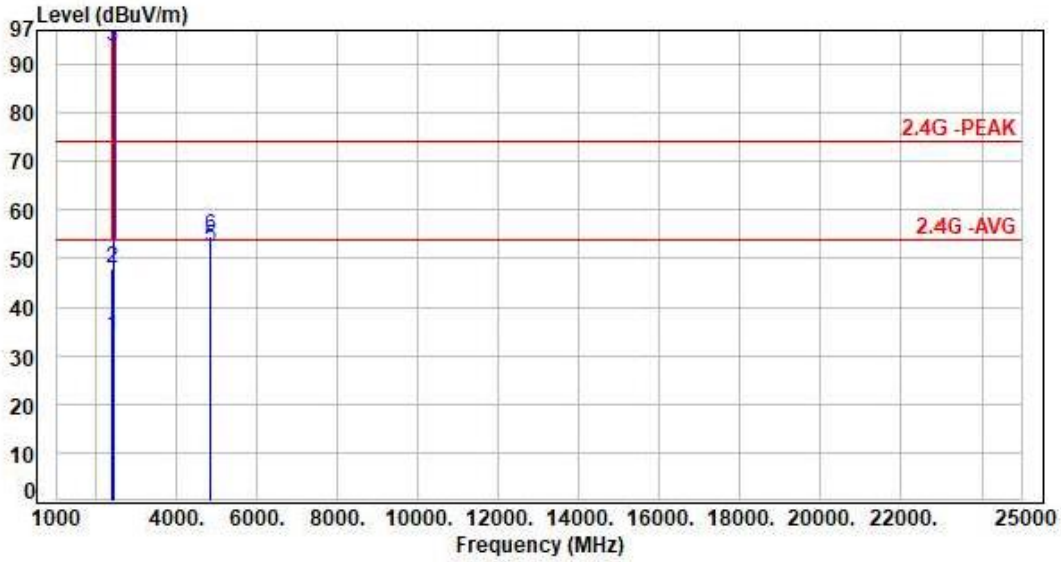


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.29	52.41	37.12	54.00	-16.88	Average	374	146	P
2	2390.00	-15.29	64.56	49.27	74.00	-24.73	Peak	374	146	P
3	2412.00	-15.36	109.45	94.09	200.00	-105.91	Average	374	146	P
4	2412.00	-15.36	113.24	97.88	200.00	-102.12	Peak	374	146	P
5	4824.00	-7.20	57.65	50.45	54.00	-3.55	Average	389	173	P
6	4824.00	-7.20	60.40	53.20	74.00	-20.80	Peak	389	173	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, CH01		:	

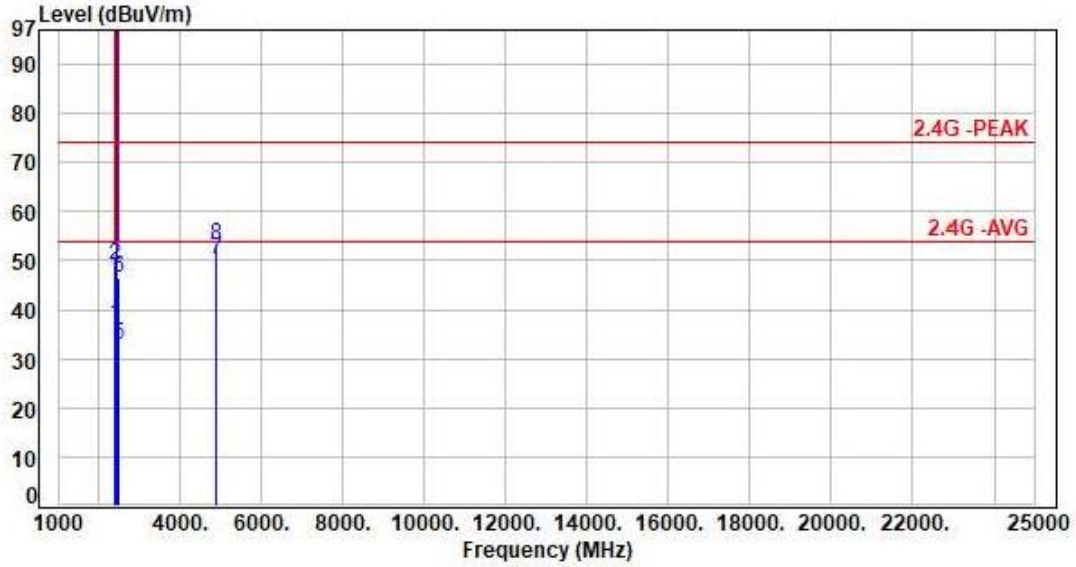


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.29	49.37	34.08	54.00	-19.92	Average	118	172	P
2	2390.00	-15.29	63.31	48.02	74.00	-25.98	Peak	118	172	P
3	2412.00	-15.36	108.99	93.63	200.00	-106.37	Average	118	172	P
4	2412.00	-15.36	112.76	97.40	200.00	-102.60	Peak	118	172	P
5	4824.00	-7.20	59.72	52.52	54.00	-1.48	Average	100	280	P
6	4824.00	-7.20	61.91	54.71	74.00	-19.29	Peak	100	280	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, CH06		:	

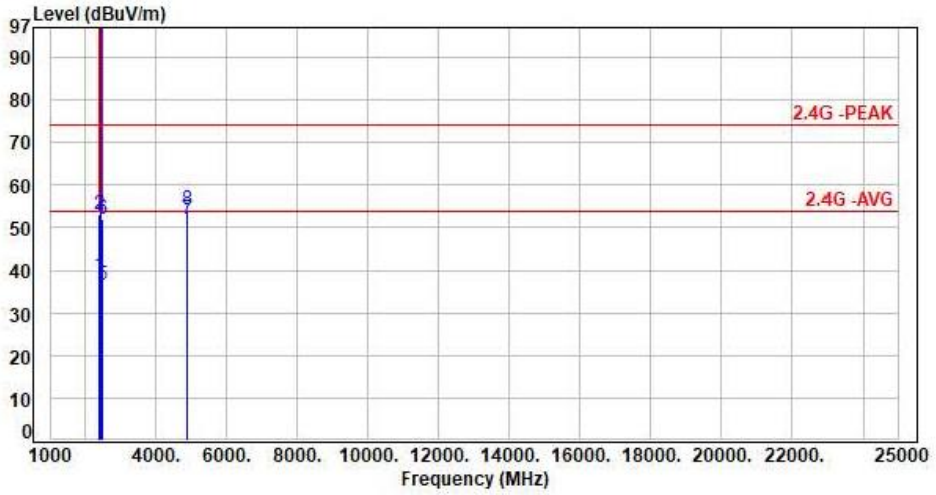


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.29	52.21	36.92	54.00	-17.08	Average	357	160	P
2	2390.00	-15.29	64.49	49.20	74.00	-24.80	Peak	357	160	P
3	2437.00	-15.43	112.04	96.61	200.00	-103.39	Average	357	160	P
4	2437.00	-15.43	115.84	100.41	200.00	-99.59	Peak	357	160	P
5	2483.50	-15.35	48.07	32.72	54.00	-21.28	Average	357	160	P
6	2483.50	-15.35	61.91	46.56	74.00	-27.44	Peak	357	160	P
7	4874.00	-7.04	57.16	50.12	54.00	-3.88	Average	360	185	P
8	4874.00	-7.04	60.14	53.10	74.00	-20.90	Peak	360	185	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, CH06		:	

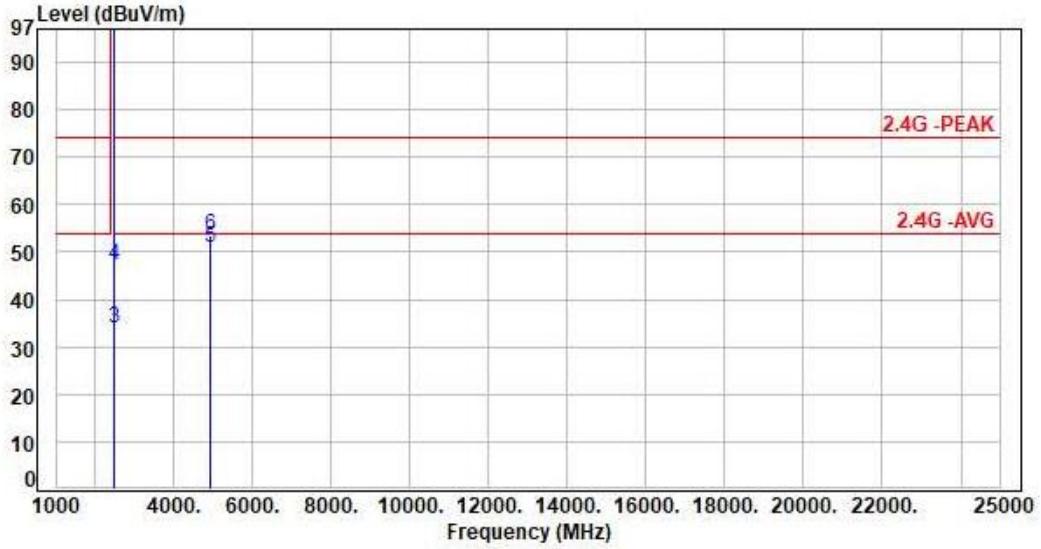


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.29	54.16	38.87	54.00	-15.13	Average	115	279	P
2	2390.00	-15.29	68.28	52.99	74.00	-21.01	Peak	115	279	P
3	2437.00	-15.43	117.24	101.81	200.00	-98.19	Average	115	279	P
4	2437.00	-15.43	120.93	105.50	200.00	-94.50	Peak	115	279	P
5	2483.50	-15.35	52.04	36.69	54.00	-17.31	Average	115	279	P
6	2483.50	-15.35	67.34	51.99	74.00	-22.01	Peak	115	279	P
7	4874.00	-7.04	59.12	52.08	54.00	-1.92	Average	100	253	P
8	4874.00	-7.04	61.29	54.25	74.00	-19.75	Peak	100	253	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, CH11		:	

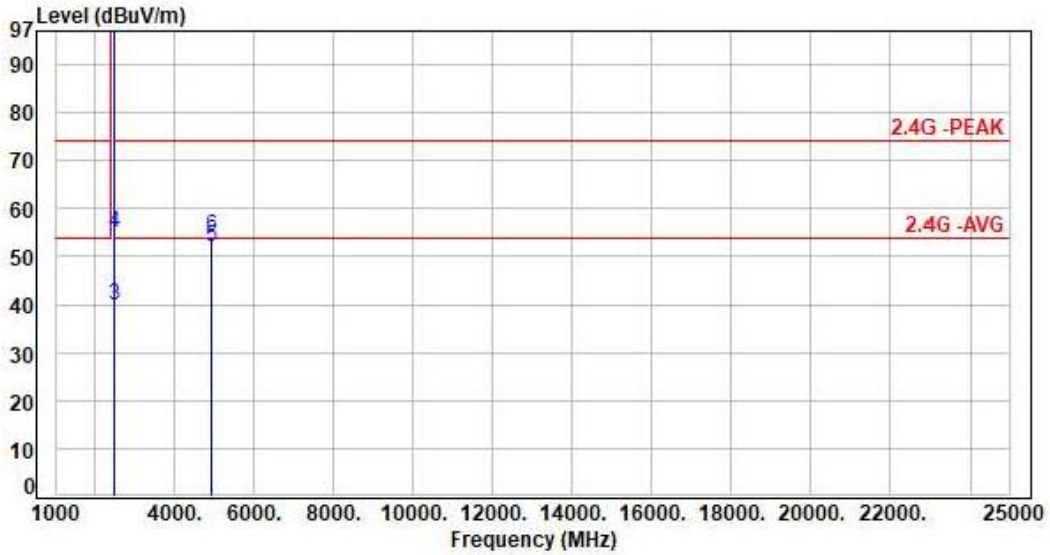


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2462.00	-15.43	111.49	96.06	200.00	-103.94	Average	389	174	P
2	2462.00	-15.43	115.20	99.77	200.00	-100.23	Peak	389	174	P
3	2483.50	-15.35	49.45	34.10	54.00	-19.90	Average	389	174	P
4	2483.50	-15.35	62.51	47.16	74.00	-26.84	Peak	389	174	P
5	4924.00	-6.74	57.66	50.92	54.00	-3.08	Average	346	187	P
6	4924.00	-6.74	60.19	53.45	74.00	-20.55	Peak	346	187	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, CH11		:	

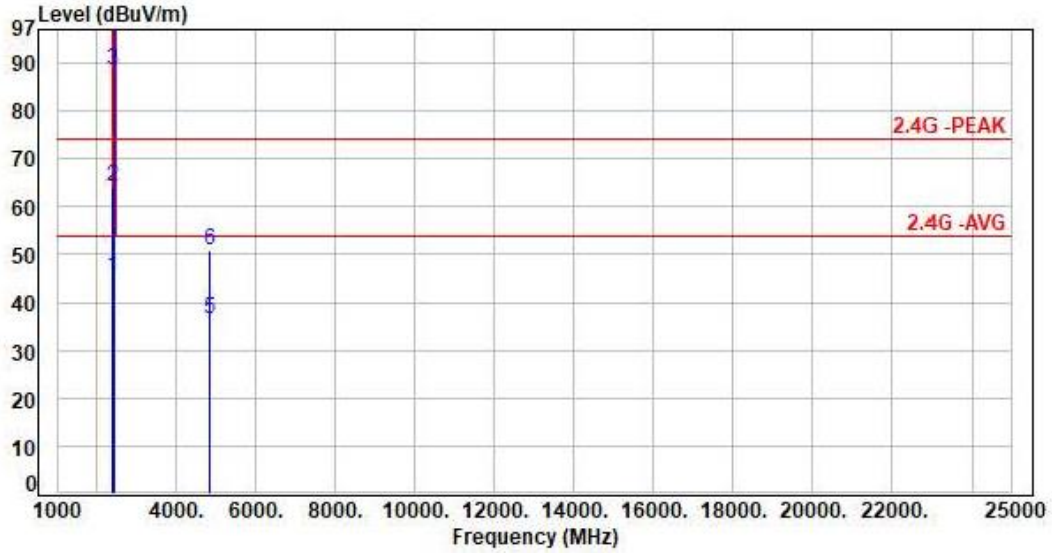


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2462.00	-15.43	116.86	101.43	200.00	-98.57	Average	117	278	P
2	2462.00	-15.43	120.53	105.10	200.00	-94.90	Peak	117	278	P
3	2483.50	-15.35	55.24	39.89	54.00	-14.11	Average	117	278	P
4	2483.50	-15.35	70.14	54.79	74.00	-19.21	Peak	117	278	P
5	4924.00	-6.74	58.68	51.94	54.00	-2.06	Average	100	250	P
6	4924.00	-6.74	60.95	54.21	74.00	-19.79	Peak	100	250	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, CH01		:	

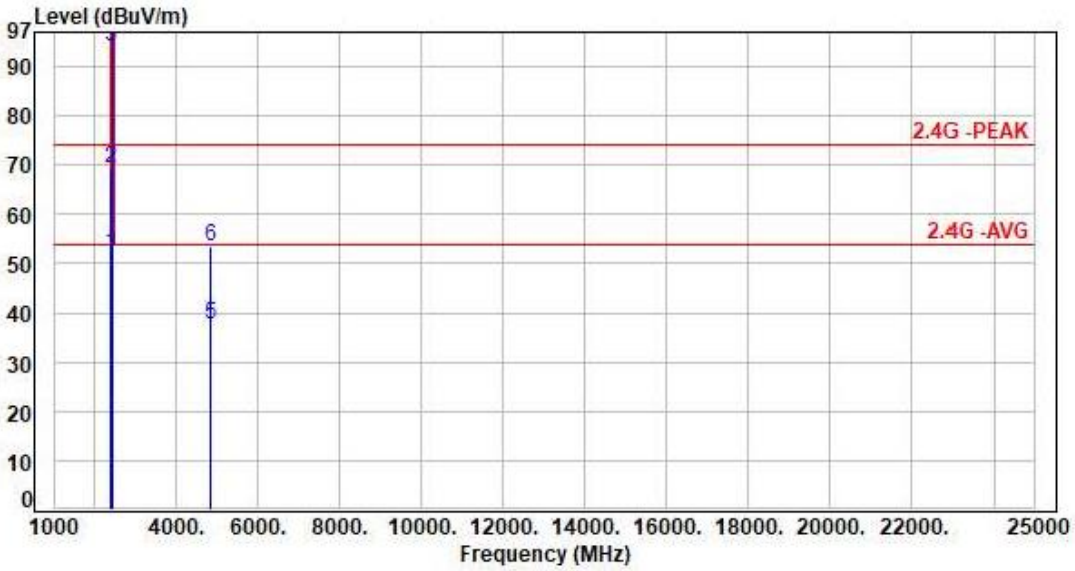


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.29	60.68	45.39	54.00	-8.61	Average	373	146	P
2	2390.00	-15.29	79.43	64.14	74.00	-9.86	Peak	373	146	P
3	2412.00	-15.36	103.85	88.49	200.00	-111.51	Average	373	146	P
4	2412.00	-15.36	114.49	99.13	200.00	-100.87	Peak	373	146	P
5	4824.00	-7.20	43.67	36.47	54.00	-17.53	Average	364	176	P
6	4824.00	-7.20	58.15	50.95	74.00	-23.05	Peak	364	176	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, CH01		:	

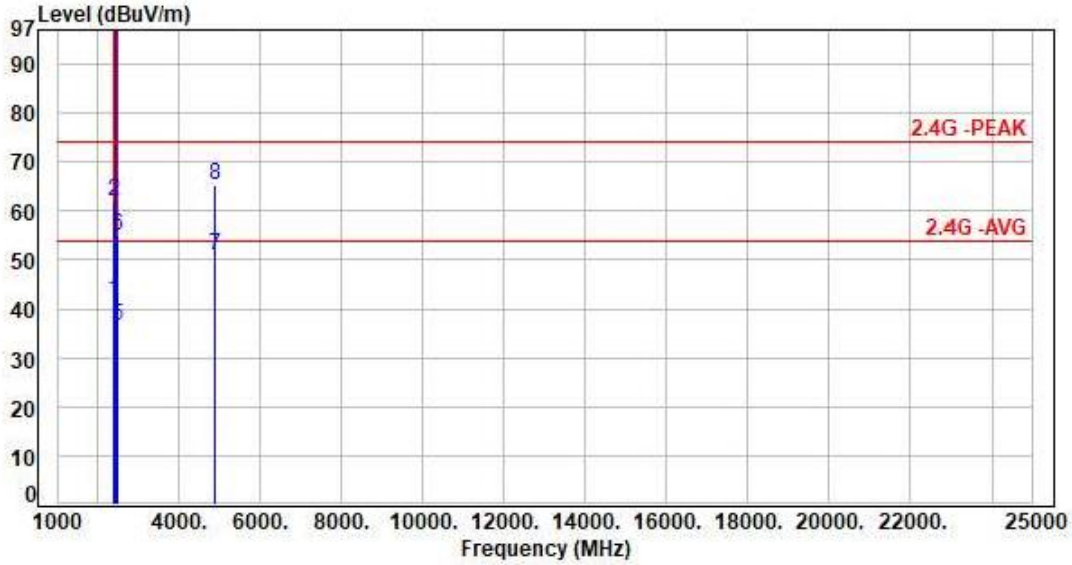


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.29	67.46	52.17	54.00	-1.83	Average	116	279	P
2	2390.00	-15.29	84.72	69.43	74.00	-4.57	Peak	116	279	P
3	2412.00	-15.36	109.37	94.01	200.00	-105.99	Average	116	279	P
4	2412.00	-15.36	119.33	103.97	200.00	-96.03	Peak	116	279	P
5	4824.00	-7.20	44.73	37.53	54.00	-16.47	Average	100	278	P
6	4824.00	-7.20	60.52	53.32	74.00	-20.68	Peak	100	278	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, CH06		:	

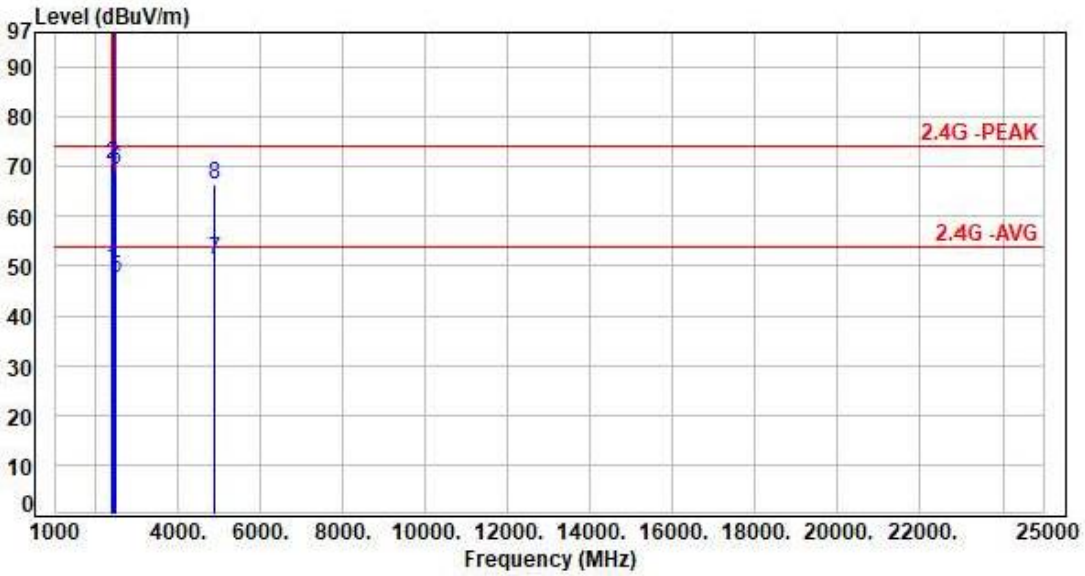


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.29	56.87	41.58	54.00	-12.42	Average	322	162	P
2	2390.00	-15.29	77.15	61.86	74.00	-12.14	Peak	322	162	P
3	2437.00	-15.43	111.09	95.66	200.00	-104.34	Average	322	162	P
4	2437.00	-15.43	121.07	105.64	200.00	-94.36	Peak	322	162	P
5	2483.50	-15.35	51.69	36.34	54.00	-17.66	Average	322	162	P
6	2483.50	-15.35	70.29	54.94	74.00	-19.06	Peak	322	162	P
7	4874.00	-7.04	57.78	50.74	54.00	-3.26	Average	352	185	P
8	4874.00	-7.04	72.22	65.18	74.00	-8.82	Peak	352	185	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, CH06		:	

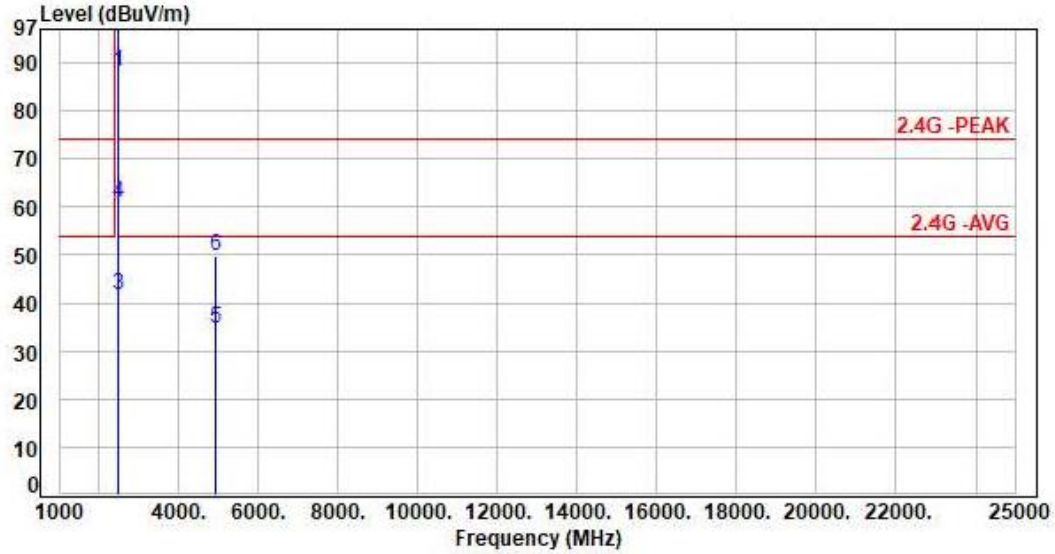


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.29	64.70	49.41	54.00	-4.59	Average	140	276	P
2	2390.00	-15.29	85.89	70.60	74.00	-3.40	Peak	140	276	P
3	2437.00	-15.43	114.89	99.46	200.00	-100.54	Average	140	276	P
4	2437.00	-15.43	125.72	110.29	200.00	-89.71	Peak	140	276	P
5	2483.50	-15.35	63.11	47.76	54.00	-6.24	Average	140	276	P
6	2483.50	-15.35	84.61	69.26	74.00	-4.74	Peak	140	276	P
7	4874.00	-7.04	58.32	51.28	54.00	-2.72	Average	100	253	P
8	4874.00	-7.04	73.48	66.44	74.00	-7.56	Peak	100	253	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, CH11		:	

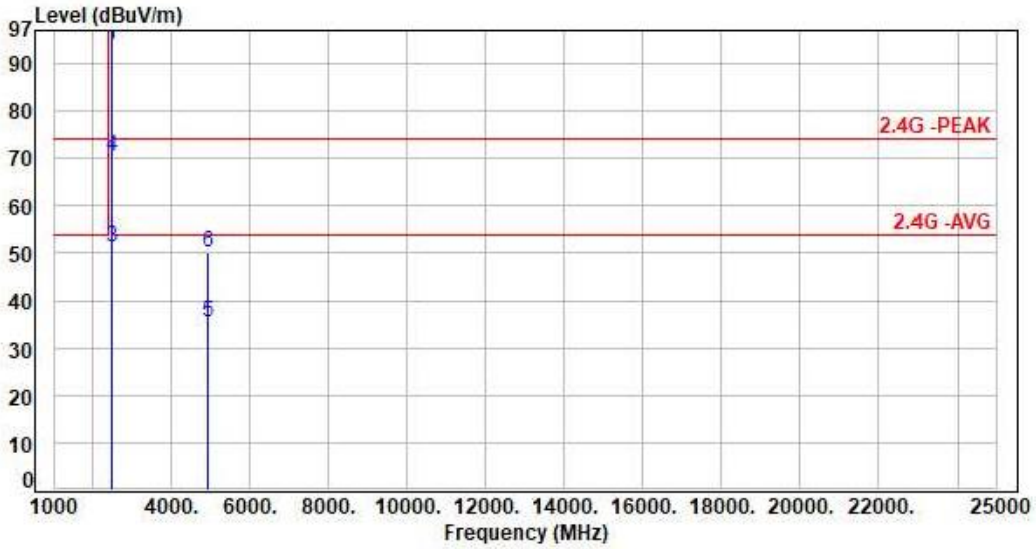


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2462.00	-15.43	103.59	88.16	200.00	-111.84	Average	389	220	P
2	2462.00	-15.43	114.86	99.43	200.00	-100.57	Peak	389	220	P
3	2483.50	-15.35	57.09	41.74	54.00	-12.26	Average	389	220	P
4	2483.50	-15.35	76.08	60.73	74.00	-13.27	Peak	389	220	P
5	4924.00	-6.74	41.56	34.82	54.00	-19.18	Average	368	187	P
6	4924.00	-6.74	56.59	49.85	74.00	-24.15	Peak	368	187	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, CH11		:	

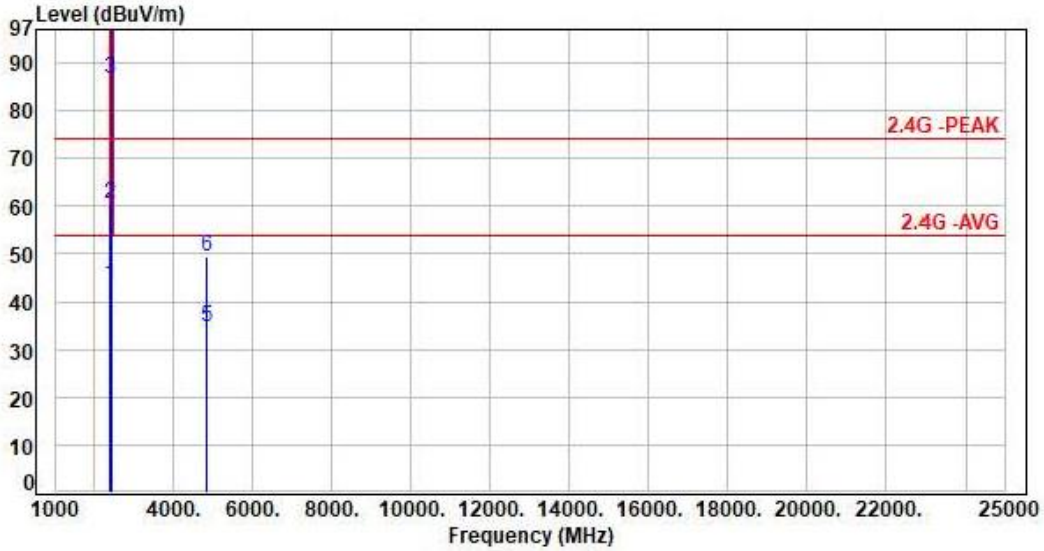


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2462.00	-15.43	109.63	94.20	200.00	-105.80	Average	115	283	P
2	2462.00	-15.43	118.61	103.18	200.00	-96.82	Peak	115	283	P
3	2483.50	-15.35	66.65	51.30	54.00	-2.70	Average	115	283	P
4	2483.50	-15.35	85.70	70.35	74.00	-3.65	Peak	115	283	P
5	4924.00	-6.74	42.17	35.43	54.00	-18.57	Average	100	252	P
6	4924.00	-6.74	56.96	50.22	74.00	-23.78	Peak	100	252	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, CH01		:	

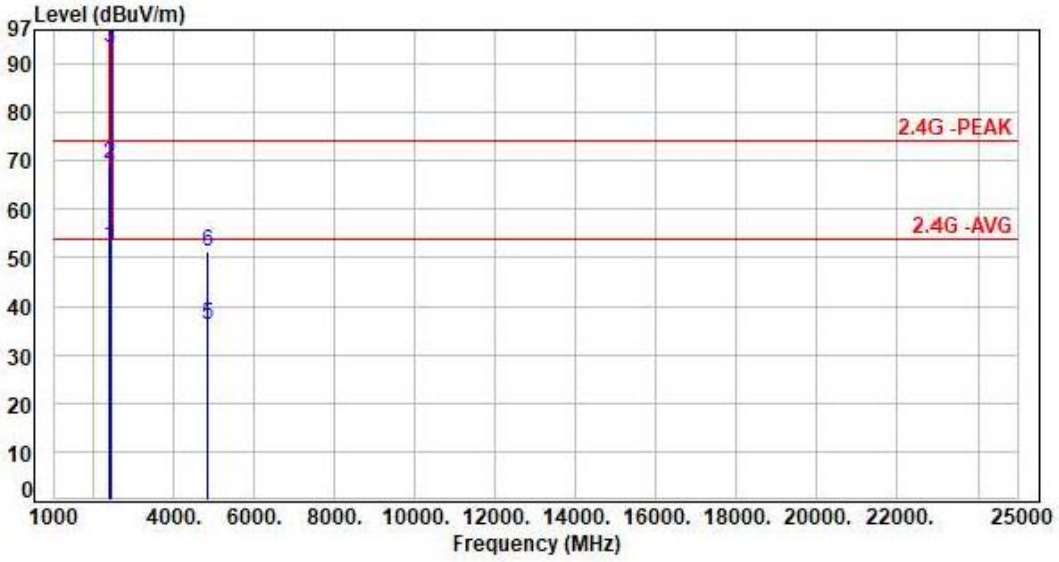


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.29	58.71	43.42	54.00	-10.58	Average	308	180	P
2	2390.00	-15.29	75.95	60.66	74.00	-13.34	Peak	308	180	P
3	2412.00	-15.36	102.12	86.76	200.00	-113.24	Average	308	180	P
4	2412.00	-15.36	112.75	97.39	200.00	-102.61	Peak	308	180	P
5	4824.00	-7.20	42.02	34.82	54.00	-19.18	Average	366	177	P
6	4824.00	-7.20	56.57	49.37	74.00	-24.63	Peak	366	177	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, CH01		:	

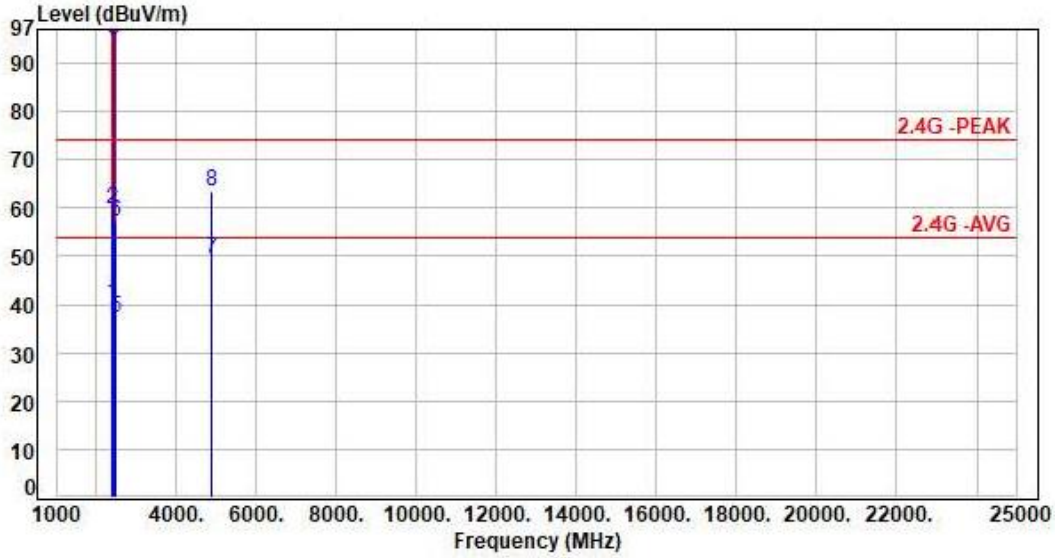


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.29	67.61	52.32	54.00	-1.68	Average	114	280	P
2	2390.00	-15.29	84.55	69.26	74.00	-4.74	Peak	114	280	P
3	2412.00	-15.36	108.52	93.16	200.00	-106.84	Average	114	280	P
4	2412.00	-15.36	117.99	102.63	200.00	-97.37	Peak	114	280	P
5	4824.00	-7.20	43.25	36.05	54.00	-17.95	Average	100	281	P
6	4824.00	-7.20	58.32	51.12	74.00	-22.88	Peak	100	281	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, CH06		:	

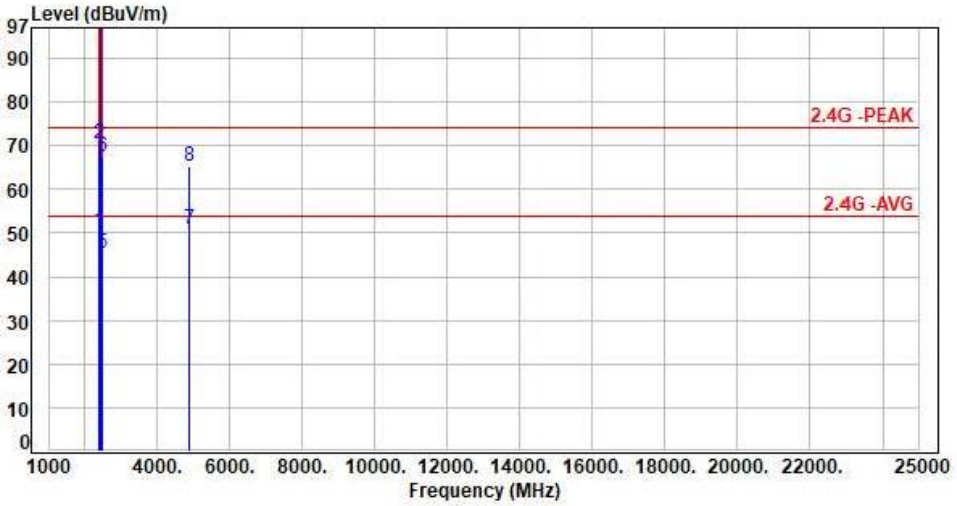


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.29	55.52	40.23	54.00	-13.77	Average	357	161	P
2	2390.00	-15.29	74.88	59.59	74.00	-14.41	Peak	357	161	P
3	2437.00	-15.43	110.17	94.74	200.00	-105.26	Average	357	161	P
4	2437.00	-15.43	120.97	105.54	200.00	-94.46	Peak	357	161	P
5	2483.50	-15.35	52.73	37.38	54.00	-16.62	Average	357	161	P
6	2483.50	-15.35	72.36	57.01	74.00	-16.99	Peak	357	161	P
7	4874.00	-7.04	56.50	49.46	54.00	-4.54	Average	359	186	P
8	4874.00	-7.04	70.63	63.59	74.00	-10.41	Peak	359	186	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, CH06		:	

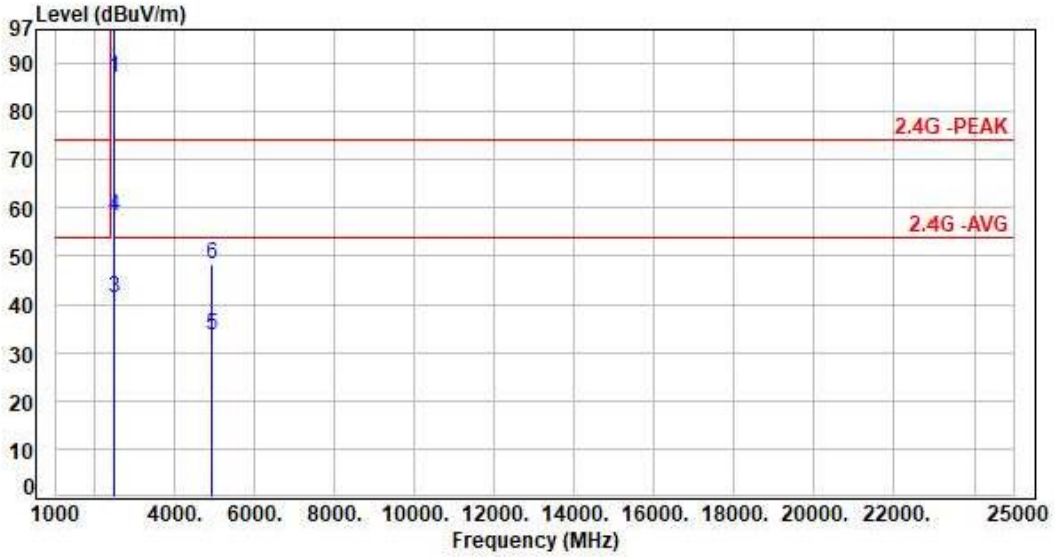


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.29	65.65	50.36	54.00	-3.64	Average	164	275	P
2	2390.00	-15.29	85.88	70.59	74.00	-3.41	Peak	164	275	P
3	2437.00	-15.43	114.16	98.73	200.00	-101.27	Average	164	275	P
4	2437.00	-15.43	124.71	109.28	200.00	-90.72	Peak	164	275	P
5	2483.50	-15.35	60.75	45.40	54.00	-8.60	Average	164	275	P
6	2483.50	-15.35	82.83	67.48	74.00	-6.52	Peak	164	275	P
7	4874.00	-7.04	57.92	50.88	54.00	-3.12	Average	100	252	P
8	4874.00	-7.04	72.19	65.15	74.00	-8.85	Peak	100	252	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, CH11		:	

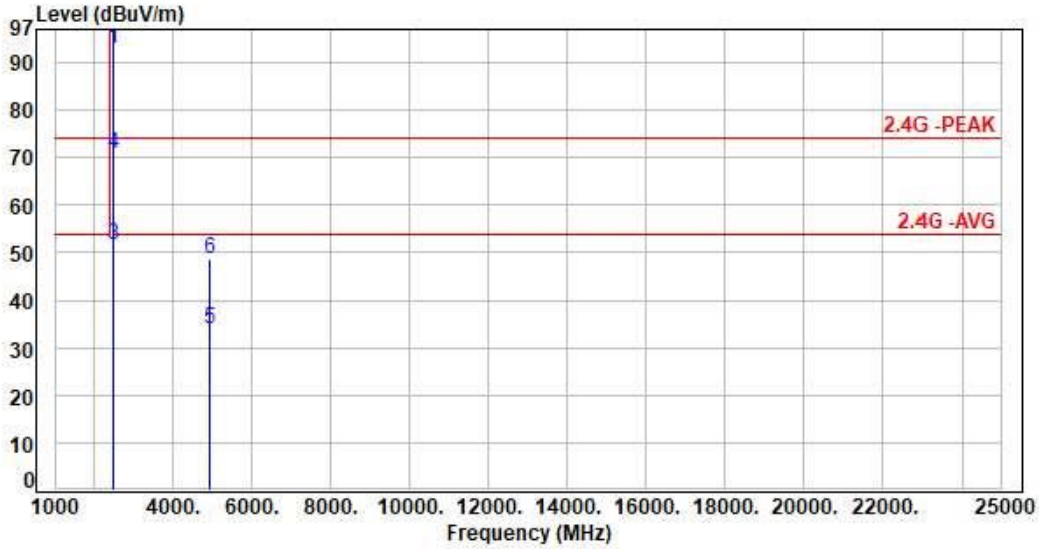


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2462.00	-15.43	102.53	87.10	200.00	-112.90	Average	343	208	P
2	2462.00	-15.43	112.82	97.39	200.00	-102.61	Peak	343	208	P
3	2483.50	-15.35	56.73	41.38	54.00	-12.62	Average	343	208	P
4	2483.50	-15.35	73.62	58.27	74.00	-15.73	Peak	343	208	P
5	4924.00	-6.74	40.34	33.60	54.00	-20.40	Average	373	186	P
6	4924.00	-6.74	55.01	48.27	74.00	-25.73	Peak	373	186	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, CH11		:	

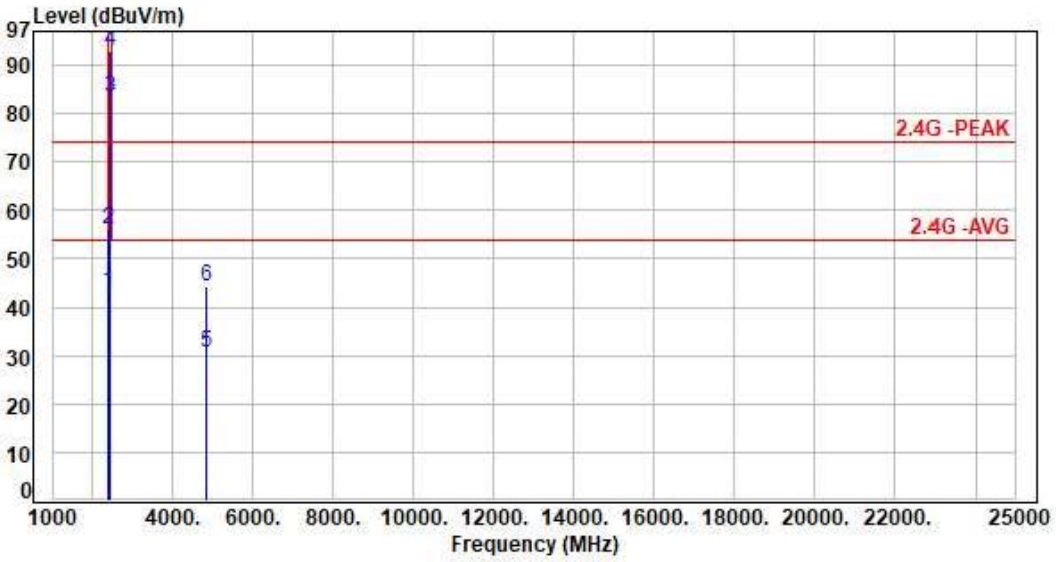


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2462.00	-15.43	108.55	93.12	200.00	-106.88	Average	116	279	P
2	2462.00	-15.43	118.77	103.34	200.00	-96.66	Peak	116	279	P
3	2483.50	-15.35	66.82	51.47	54.00	-2.53	Average	116	279	P
4	2483.50	-15.35	86.32	70.97	74.00	-3.03	Peak	116	279	P
5	4924.00	-6.74	40.81	34.07	54.00	-19.93	Average	100	251	P
6	4924.00	-6.74	55.49	48.75	74.00	-25.25	Peak	100	251	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, CH03		:	

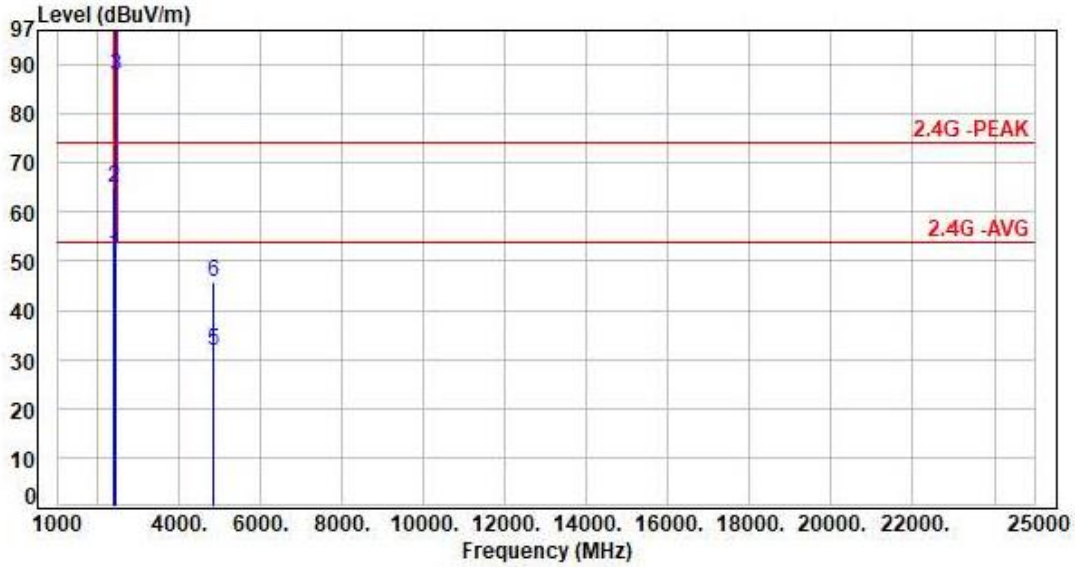


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.29	58.36	43.07	54.00	-10.93	Average	400	177	P
2	2390.00	-15.29	71.27	55.98	74.00	-18.02	Peak	400	177	P
3	2422.00	-15.39	98.87	83.48	200.00	-116.52	Average	400	177	P
4	2422.00	-15.39	108.18	92.79	200.00	-107.21	Peak	400	177	P
5	4844.00	-7.17	37.83	30.66	54.00	-23.34	Average	334	203	P
6	4844.00	-7.17	51.25	44.08	74.00	-29.92	Peak	334	203	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, CH03		:	

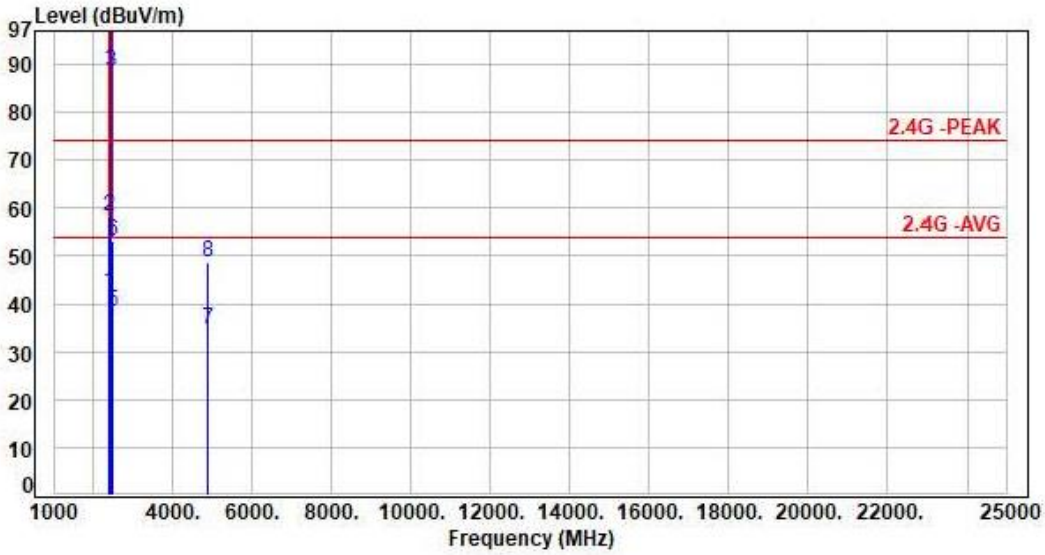


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.29	66.67	51.38	54.00	-2.62	Average	167	280	P
2	2390.00	-15.29	80.32	65.03	74.00	-8.97	Peak	167	280	P
3	2422.00	-15.39	103.27	87.88	200.00	-112.12	Average	167	280	P
4	2422.00	-15.39	112.43	97.04	200.00	-102.96	Peak	167	280	P
5	4844.00	-7.17	38.98	31.81	54.00	-22.19	Average	100	281	P
6	4844.00	-7.17	53.05	45.88	74.00	-28.12	Peak	100	281	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, CH06		:	

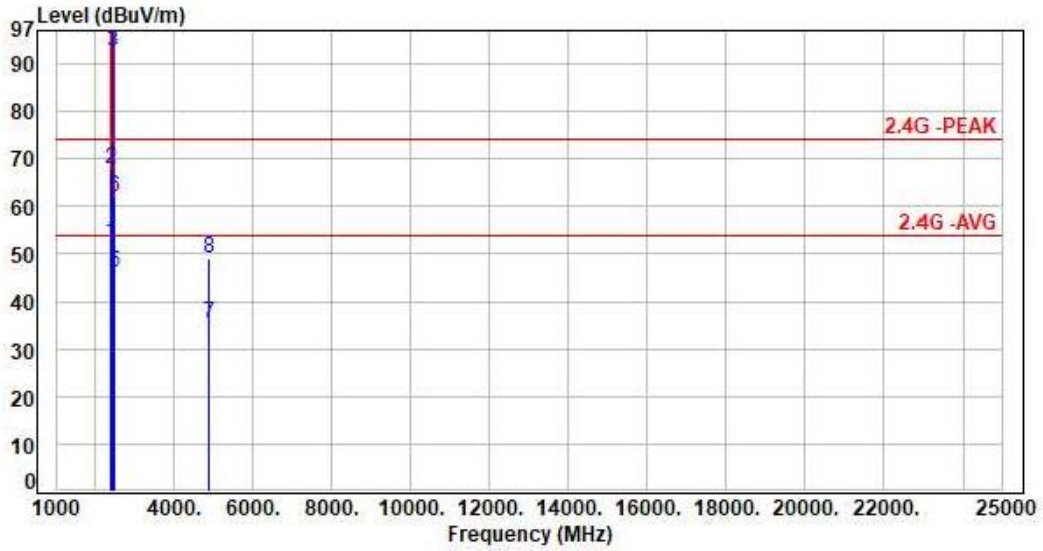


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.29	57.53	42.24	54.00	-11.76	Average	400	173	P
2	2390.00	-15.29	73.47	58.18	74.00	-15.82	Peak	400	173	P
3	2437.00	-15.43	103.79	88.36	200.00	-111.64	Average	400	173	P
4	2437.00	-15.43	113.51	98.08	200.00	-101.92	Peak	400	173	P
5	2483.50	-15.35	53.79	38.44	54.00	-15.56	Average	400	173	P
6	2483.50	-15.35	68.40	53.05	74.00	-20.95	Peak	400	173	P
7	4874.00	-7.04	41.68	34.64	54.00	-19.36	Average	359	185	P
8	4874.00	-7.04	55.71	48.67	74.00	-25.33	Peak	359	185	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, CH06		:	

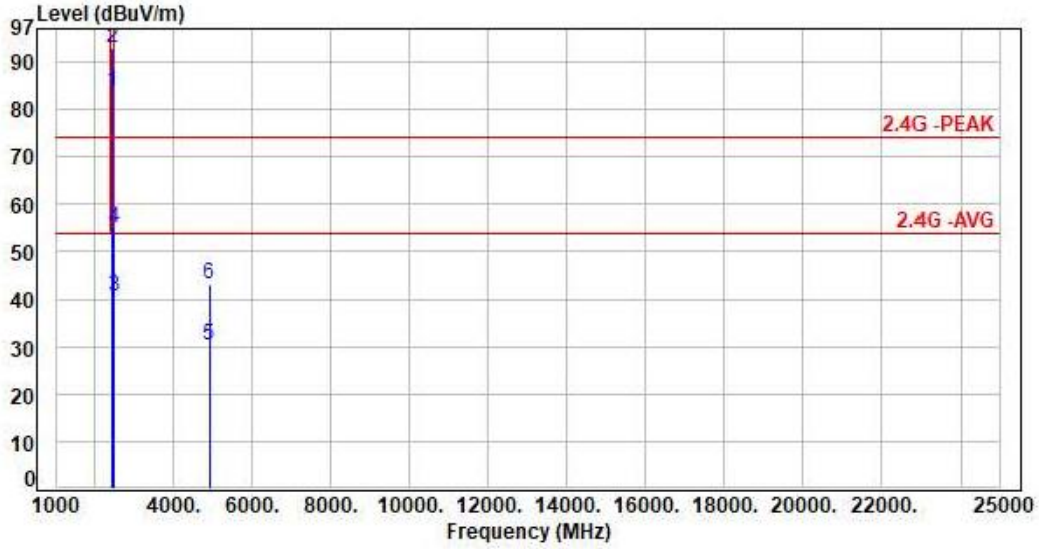


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.29	67.58	52.29	54.00	-1.71	Average	141	264	P
2	2390.00	-15.29	83.34	68.05	74.00	-5.95	Peak	141	264	P
3	2437.00	-15.43	107.97	92.54	200.00	-107.46	Average	141	264	P
4	2437.00	-15.43	117.64	102.21	200.00	-97.79	Peak	141	264	P
5	2483.50	-15.35	61.55	46.20	54.00	-7.80	Average	141	264	P
6	2483.50	-15.35	77.28	61.93	74.00	-12.07	Peak	141	264	P
7	4874.00	-7.04	42.62	35.58	54.00	-18.42	Average	100	280	P
8	4874.00	-7.04	55.93	48.89	74.00	-25.11	Peak	100	280	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, CH09		:	

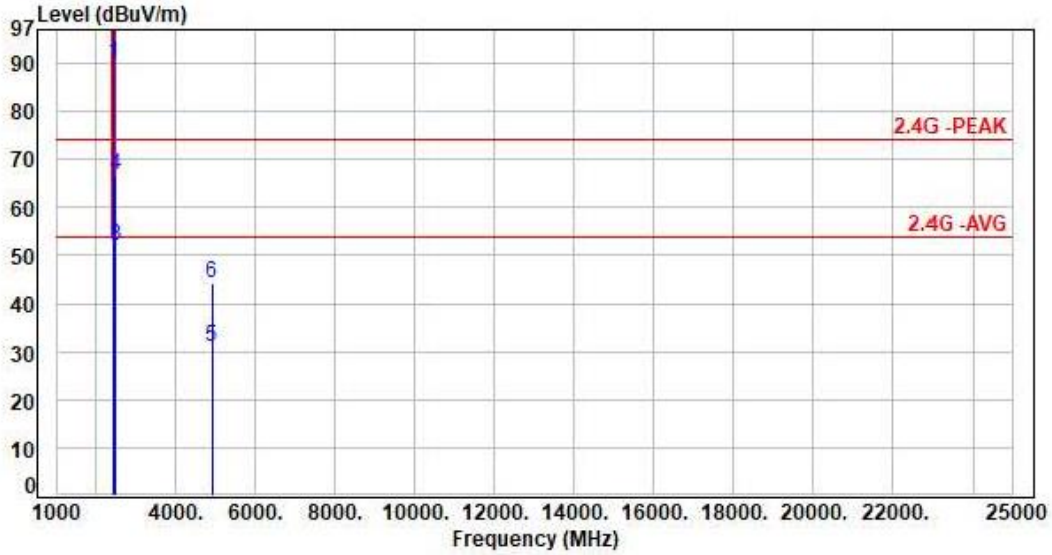


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2452.00	-15.46	99.19	83.73	200.00	-116.27	Average	350	208	P
2	2452.00	-15.46	108.41	92.95	200.00	-107.05	Peak	350	208	P
3	2483.50	-15.35	56.10	40.75	54.00	-13.25	Average	350	208	P
4	2483.50	-15.35	70.27	54.92	74.00	-19.08	Peak	350	208	P
5	4904.00	-6.88	37.29	30.41	54.00	-23.59	Average	353	179	P
6	4904.00	-6.88	49.98	43.10	74.00	-30.90	Peak	353	179	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

For Dipole Antenna(White)

Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, CH09		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2452.00	-15.46	105.34	89.88	200.00	-110.12	Average	114	283	P
2	2452.00	-15.46	115.21	99.75	200.00	-100.25	Peak	114	283	P
3	2483.50	-15.35	67.19	51.84	54.00	-2.16	Average	114	283	P
4	2483.50	-15.35	82.10	66.75	74.00	-7.25	Peak	114	283	P
5	4904.00	-6.88	37.73	30.85	54.00	-23.15	Average	100	249	P
6	4904.00	-6.88	51.02	44.14	74.00	-29.86	Peak	100	249	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

6.7 Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.250
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

**: Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

7. Test of Conducted Spurious Emission

7.1 Test Limit

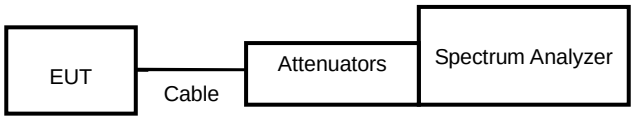
According to the methods defined in ANSI C63.10-2013 Section 11.11.1
Below –30dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

7.2 Test Procedure

According to the methods defined in ANSI C63.10-2013 Section 11.11.2 & 11.11.3

a. The transmitter output was connected to the spectrum analyzer via a low loss cable.
b. Set RBW of spectrum analyzer to 100 KHz and VBW of spectrum analyzer to 300 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
c. Peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 30dB relative to the maximum measured in-band peak PSD level.
d. The band edges was measured and recorded.

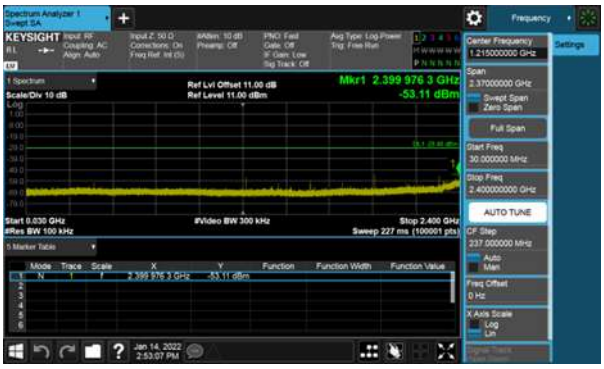
7.3 Test Setup Layout



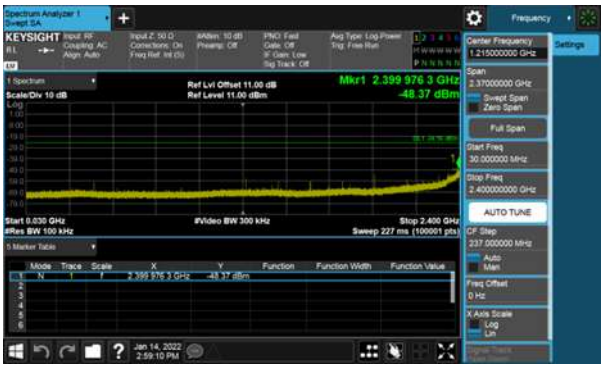
7.4 Test Result and Data

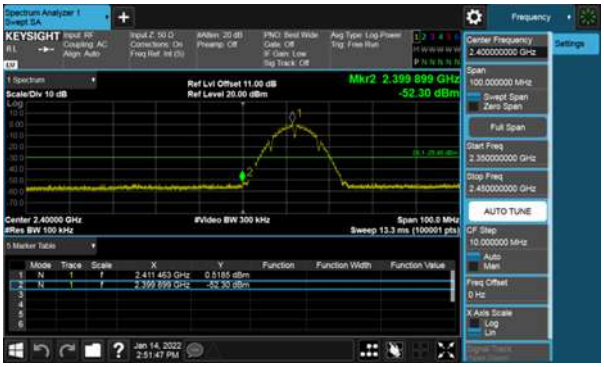
Note: Test plots refers to the following pages.

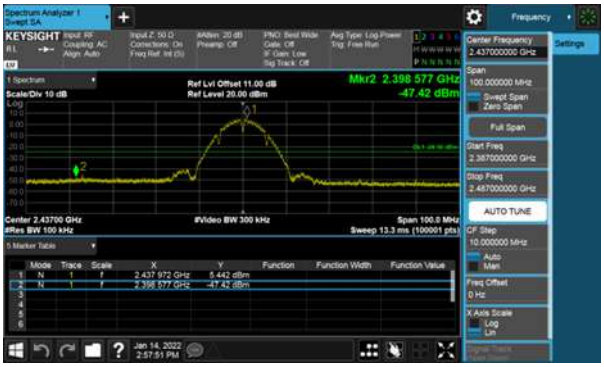
Modulation Type: 802.11b, CH 01



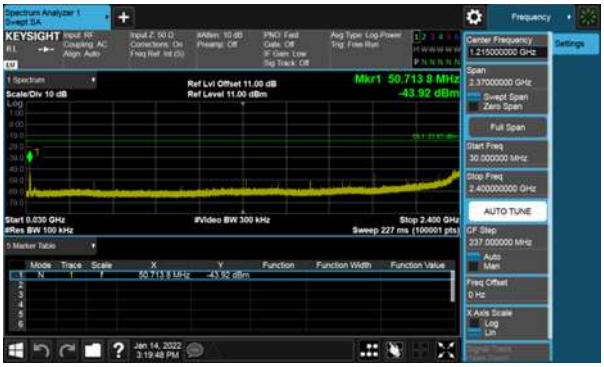
Modulation Type: 802.11b, CH 06



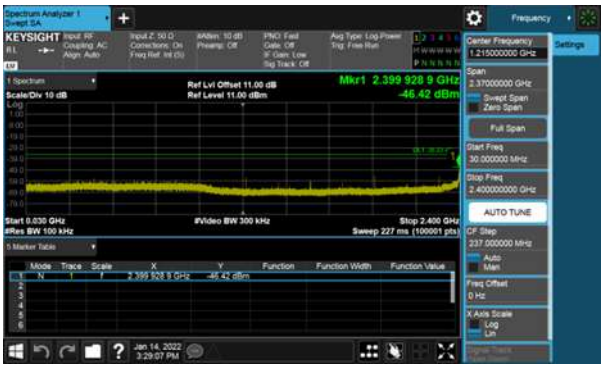




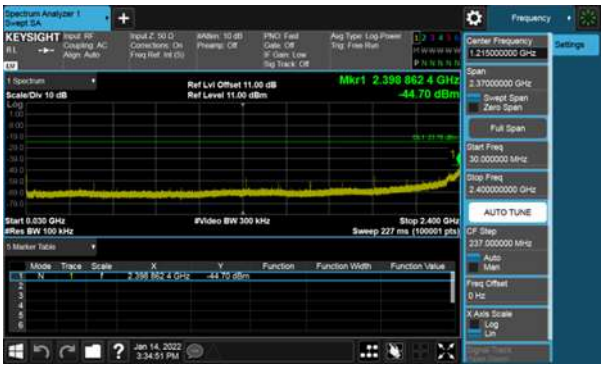
Modulation Type: 802.11b, CH 11

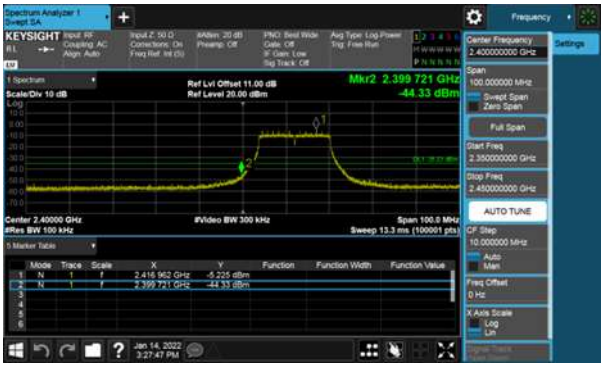


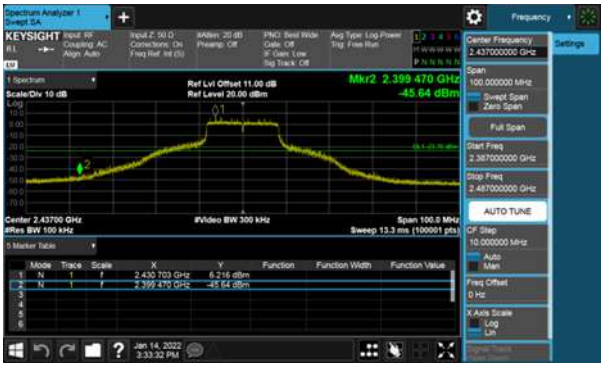
Modulation Type: 802.11g, CH 01



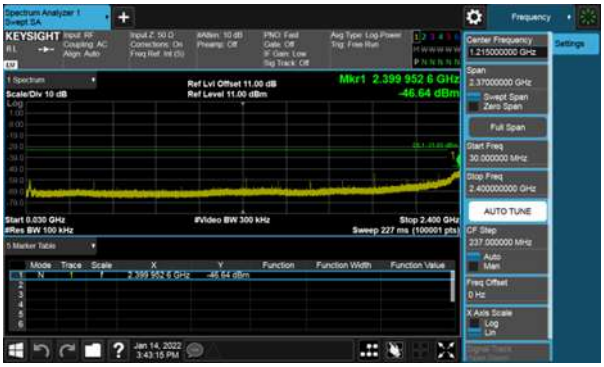
Modulation Type: 802.11g, CH 06



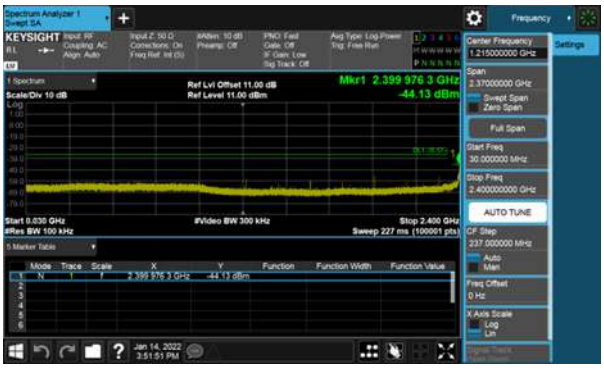




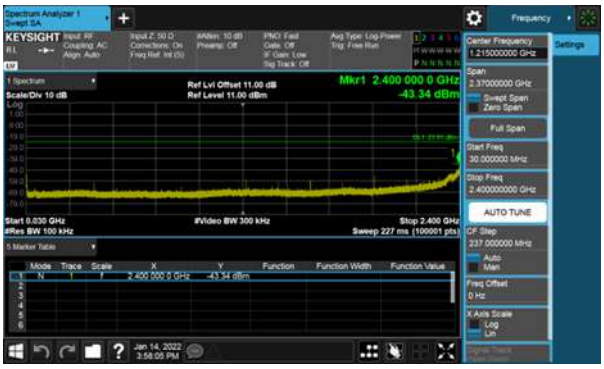
Modulation Type: 802.11g, CH 11

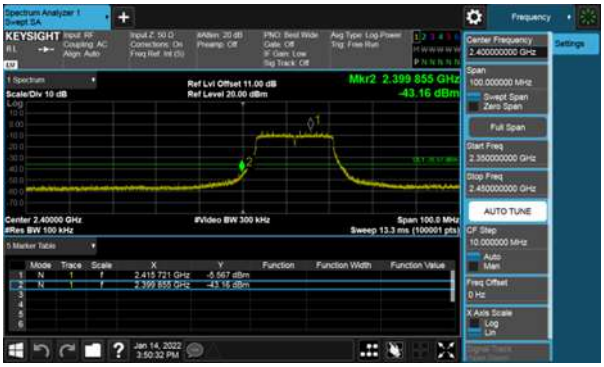


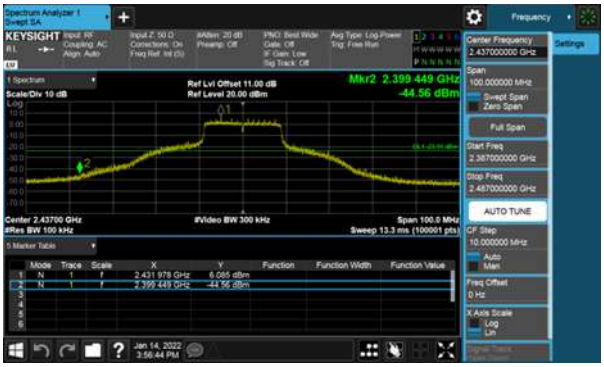
Modulation Type: 802.11n HT20, CH01



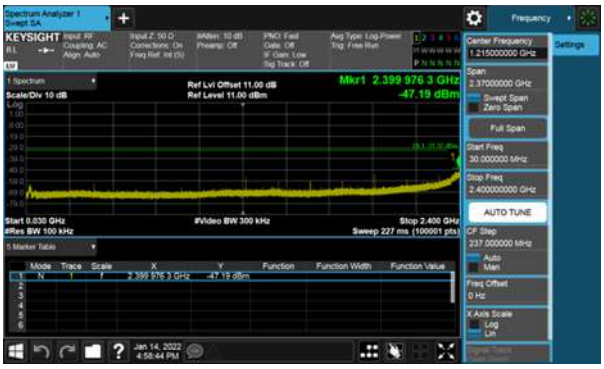
Modulation Type: 802.11n HT20, CH06

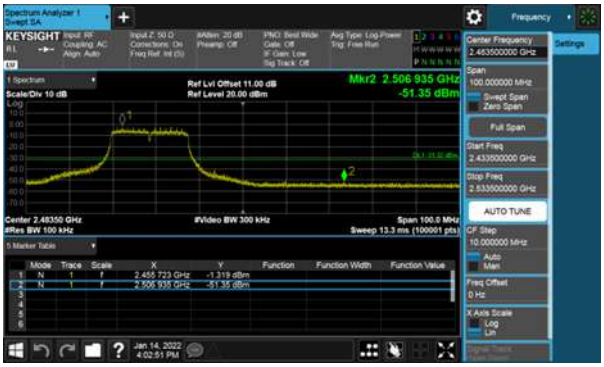




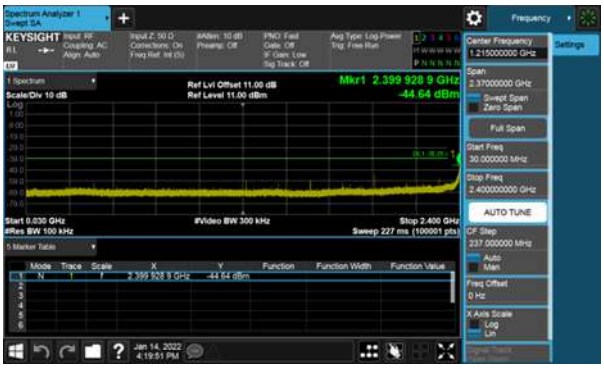


Modulation Type: 802.11n HT20, CH11

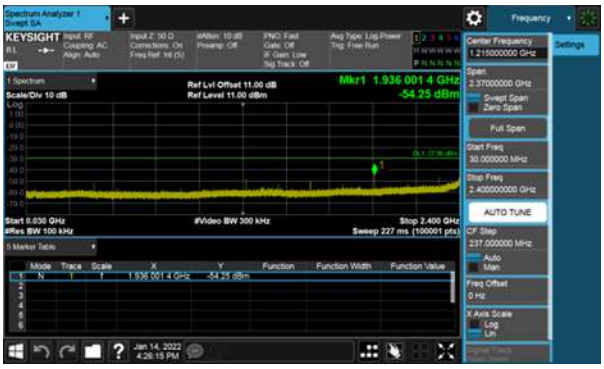


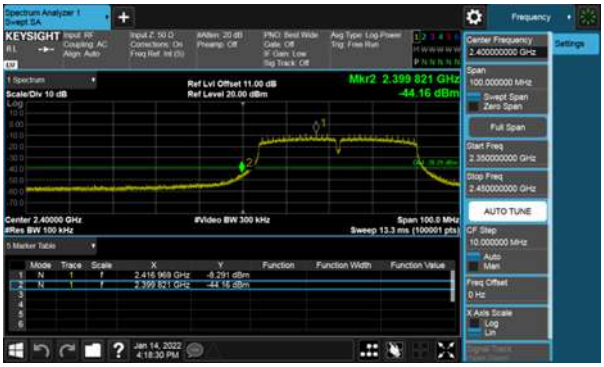


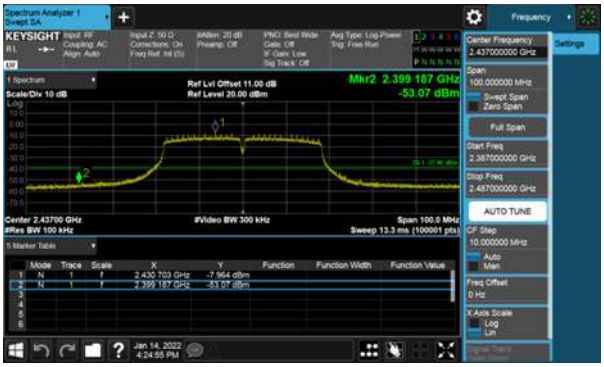
Modulation Type: 802.11n HT40, CH03



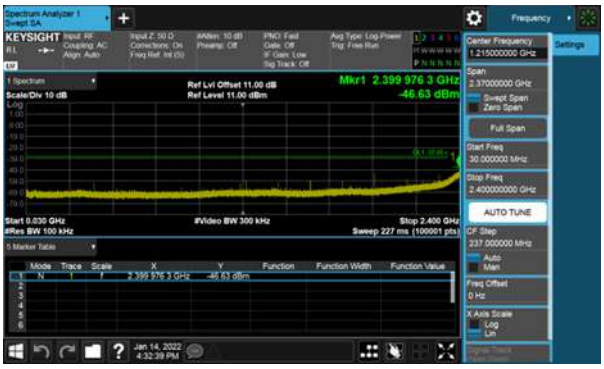
Modulation Type: 802.11n HT40, CH06

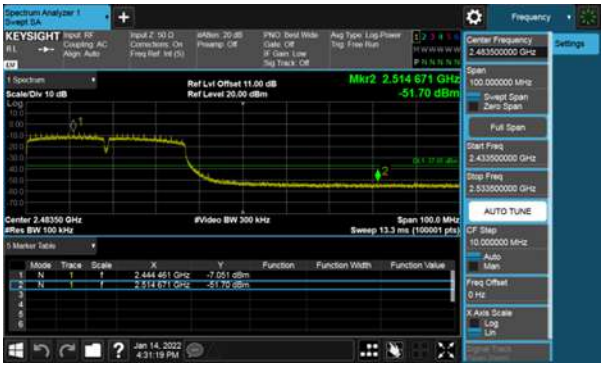






Modulation Type: 802.11n HT40, CH09





8. On Time, Duty Cycle and Measurement methods

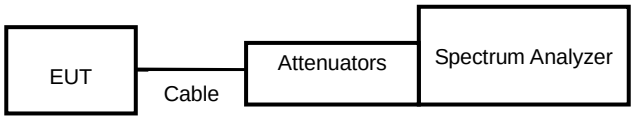
8.1 Test Limit

None; for reporting purposes only.

8.2 Test Procedure

According to the methods defined in ANSI C63.10-2013 Section 11.6 Zero-Span Spectrum Analyzer Method.

8.3 Test Setup Layout



8.4 Test Result and Data

Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
11b,1M	12.18	12.24	99.51%
11g,6M	2.02	2.07	97.58%
11n HT20	1.89	1.93	97.47%
11n HT40	0.93	0.96	96.34%

Modulation Type: 802.11b(1Mbps)

Modulation Type: 802.11n HT40(13.5Mbps)

Modulation Type: 802.11g(6Mbps)

Modulation Type: 802.11n HT20(6.5Mbps)

9. 6dB Bandwidth Measurement Data

9.1 Test Limit

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

9.2 Test Procedures

According to the methods defined in ANSI C63.10-2013 Section 11.8

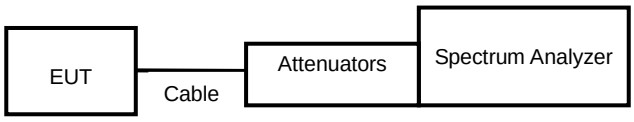
a. The transmitter output was connected to the spectrum analyzer.

b. Set RBW of spectrum analyzer to 100 KHz and VBW to 300 KHz.

c. The 6 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.

d. The 6dB Bandwidth was measured and recorded.

9.3 Test Setup Layout



9.4 Test Result and Data

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
			ANT A	
11b	1	2412	7.08	0.5
	6	2437	7.56	0.5
	11	2462	7.08	0.5
11g	1	2412	16.32	0.5
	6	2437	16.26	0.5
	11	2462	16.32	0.5
11n HT20	1	2412	17.52	0.5
	6	2437	17.16	0.5
	11	2462	17.28	0.5
11n HT40	3	2422	35.10	0.5
	6	2437	35.10	0.5
	9	2452	35.10	0.5

Modulation Type: 802.11b
CH01

Modulation Type: 802.11g
CH01

CH06

CH06

CH11

CH11

Modulation Type: 802.11n HT20
CH01

Modulation Type: 802.11n HT40
CH03

CH06

CH06

CH11

CH09

10. Maximum Average Output Power

10.1 Test Limit

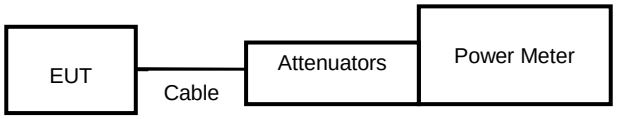
The Maximum Average Output Power Measurement is 30dBm.
If transmitting antennas of directional gain greater than 6 dBi are used, the average output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

10.2 Test Procedures

According to the methods defined in ANSI C63.10-2013 Section 11.9.2.3.2

The antenna port (RF output) of the EUT was connected to the input (RF input) of a power meter. Power was read directly from the meter and cable loss connection was added to the reading to obtain power at the EUT antenna terminal. The EUT Output Power was set to maximum to produce the worse case test result.

10.3 Test Setup Layout



10.4 Test Result and Data

Setting	Modulation Mode	Channel	Frequency (MHz)	Conducted(average) output power (dBm)	Total AV power (dBm)	Total AV power (mW)	Powe Limit (dBm)
				ANT A			
9.5	11b	1	2412	8.76	8.76	7.516	24.00
13		6	2437	13.62	13.62	23.014	24.00
13		11	2462	14.47	14.47	27.990	24.00
6.5	11g	1	2412	5.81	5.81	3.811	24.00
16.5		6	2437	16.86	16.86	48.529	24.00
8		11	2462	9.68	9.68	9.290	24.00
6.5	11n HT20	1	2412	5.82	5.82	3.819	24.00
16.5		6	2437	16.83	16.83	48.195	24.00
7		11	2462	8.57	8.57	7.194	24.00
6	11n HT40	3	2422	5.71	5.71	3.724	24.00
5.5		6	2437	5.94	5.94	3.926	24.00
5.5		9	2452	5.95	5.95	3.936	24.00

11. Power Spectral Density

11.1 Test Limit

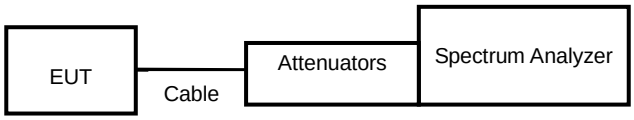
The Maximum of Power Spectral Density Measurement is 8dBm.

If transmitting antennas of directional gain greater than 6 dBi are used, the power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

11.2 Test Procedures

According to the methods defined in ANSI C63.10-2013 Section 11.10

11.3 Test Setup Layout

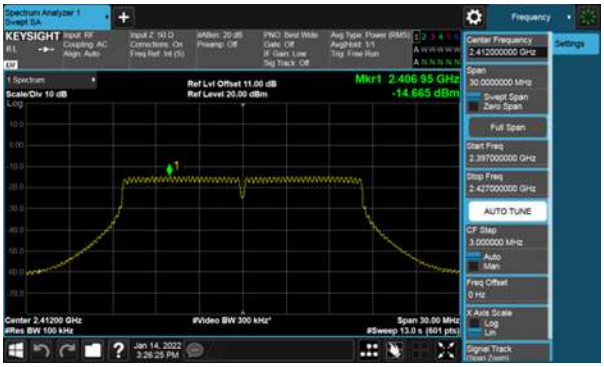


11.4 Test Result and Data

Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 100KHz Bandwidth(dBm)	Sum chain (dBm)	Duty Cycle CF(dB)	Total PSD (dBm)	Limit (dBm)
			ANT A				
11b	1	2412	-7.392	-7.39	0.00	-7.39	2.00
	6	2437	-2.061	-2.06	0.00	-2.06	2.00
	11	2462	-1	-1.00	0.00	-1.00	2.00
11g	1	2412	-14.665	-14.67	0.11	-14.56	2.00
	6	2437	-3.431	-3.43	0.11	-3.32	2.00
	11	2462	-10.014	-10.01	0.11	-9.90	2.00
11n HT20	1	2412	-15.08	-15.08	2.82	-12.26	2.00
	6	2437	-3.692	-3.69	2.82	-0.87	2.00
	11	2462	-11.296	-11.30	2.82	-8.48	2.00
11n HT40	3	2422	-18.084	-18.08	0.16	-17.92	2.00
	6	2437	-17.814	-17.81	0.16	-17.65	2.00
	9	2452	-16.805	-16.81	0.16	-16.65	2.00

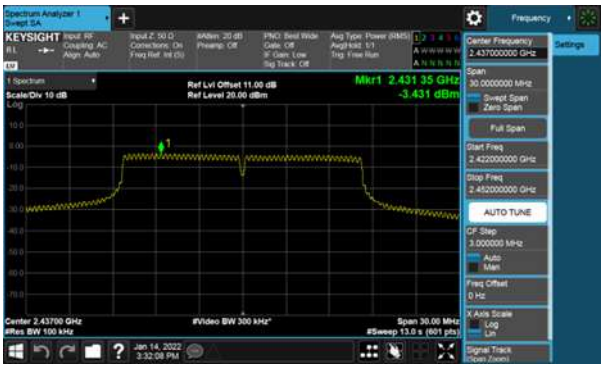
Modulation Type: 802.11b
CH01

Modulation Type: 802.11g
CH01



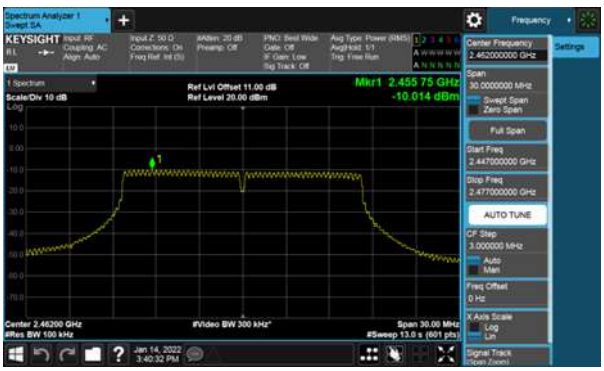
CH06

CH06

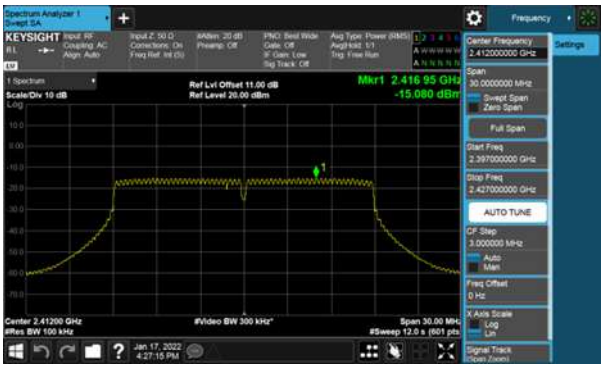


CH11

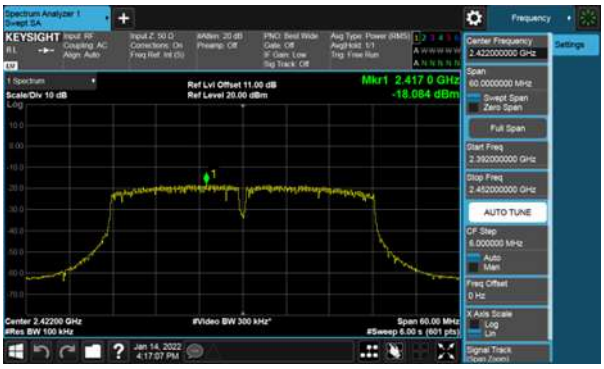
CH11



Modulation Type: 802.11n HT20
CH01

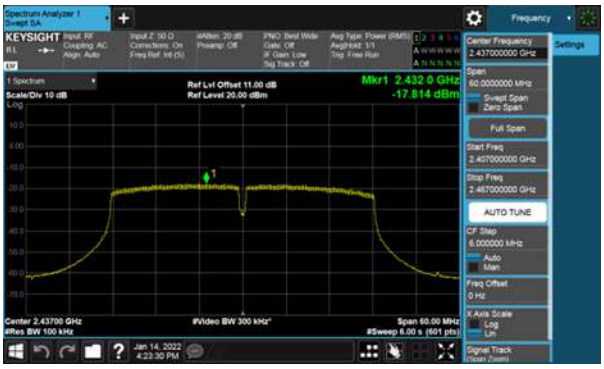


Modulation Type: 802.11n HT40
CH03

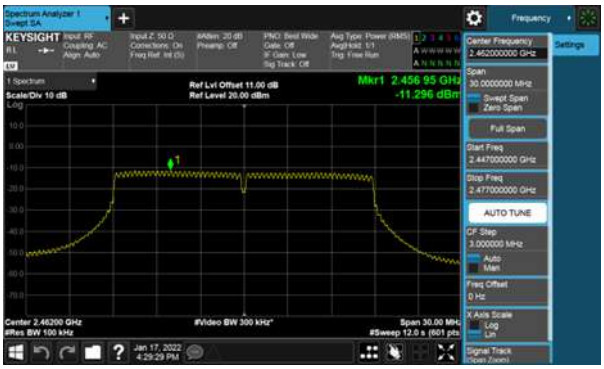


CH06

CH06



CH11



CH09