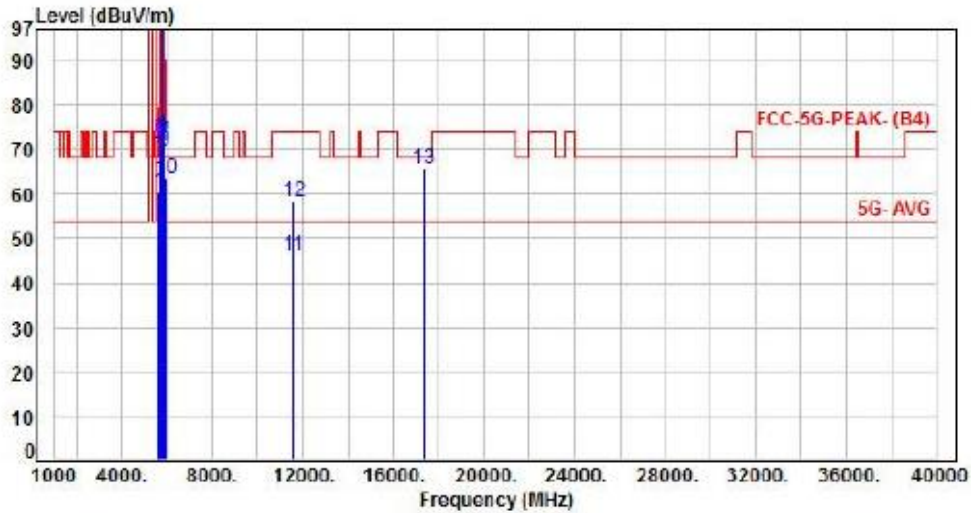




BeamForming-Sector Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, Band 4, CH155		:



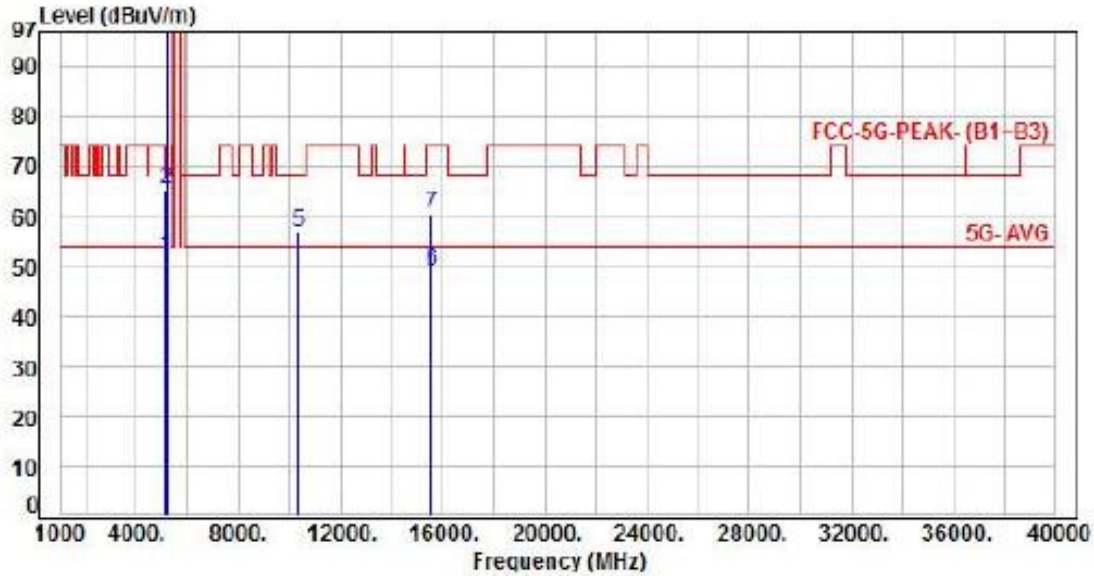
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	7.35	53.11	60.46	68.20	-7.74	Peak	154	304	P
2	5700.00	7.37	63.64	71.01	105.20	-34.19	Peak	154	304	P
3	5720.00	7.34	65.20	72.54	110.80	-38.26	Peak	154	304	P
4	5725.00	7.33	66.07	73.40	122.20	-48.80	Peak	154	304	P
5	5775.00	7.35	107.17	114.52	200.00	-85.48	Average	154	304	P
6	5775.00	7.35	116.02	123.37	200.00	-76.63	Peak	154	304	P
7	5850.00	7.43	64.59	72.02	122.20	-50.18	Peak	154	304	P
8	5855.00	7.45	64.19	71.64	110.80	-39.16	Peak	154	304	P
9	5875.00	7.54	62.01	69.55	105.20	-35.65	Peak	154	304	P
10	5925.00	7.66	55.92	63.58	68.20	-4.62	Peak	154	304	P
11	11550.00	17.79	28.17	45.96	54.00	-8.04	Average	100	267	P
12	11550.00	17.79	40.63	58.42	74.00	-15.58	Peak	100	267	P
13	17325.00	24.20	41.54	65.74	68.20	-2.46	Peak	100	307	P

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



Non BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 1, CH36		:



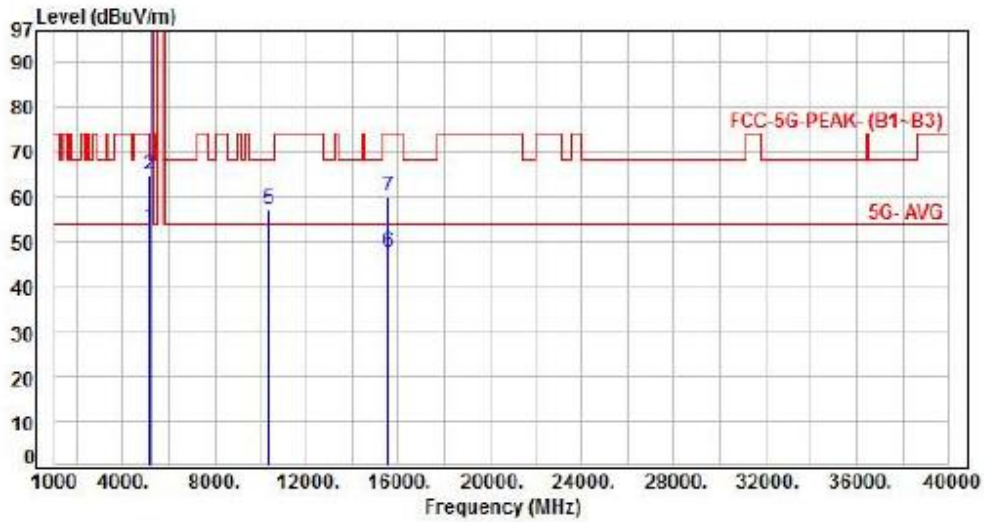
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.30	52.00	54.00	-2.00	Average	176	8	P
2	5150.00	6.70	58.46	65.16	74.00	-8.84	Peak	176	8	P
3	5180.00	6.85	113.18	120.03	200.00	-79.97	Average	176	8	P
4	5180.00	6.85	123.38	130.23	200.00	-69.77	Peak	176	8	P
5	10360.00	14.29	42.66	56.95	68.20	-11.25	Peak	100	38	P
6	15540.00	18.05	30.92	48.97	54.00	-5.03	Average	100	162	P
7	15540.00	18.05	42.49	60.54	74.00	-13.46	Peak	100	162	P

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



Non BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 1, CH36		:



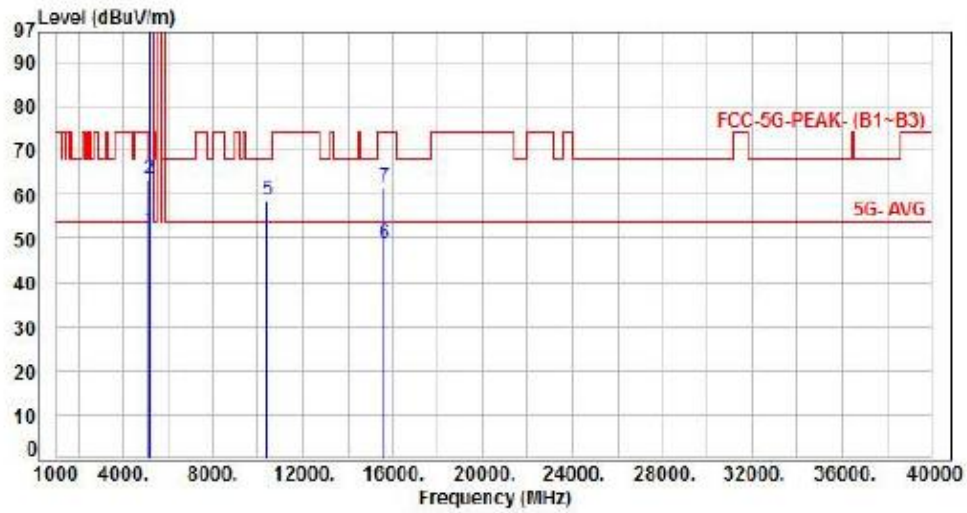
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	46.23	52.93	54.00	-1.07	Average	179	360	P
2	5150.00	6.70	58.38	65.08	74.00	-8.92	Peak	179	360	P
3	5180.00	6.85	113.93	120.78	200.00	-79.22	Average	179	360	P
4	5180.00	6.85	123.60	130.45	200.00	-69.55	Peak	179	360	P
5	10360.00	14.29	42.75	57.04	68.20	-11.16	Peak	100	254	P
6	15540.00	18.05	29.36	47.41	54.00	-6.59	Average	100	138	P
7	15540.00	18.05	42.08	60.13	74.00	-13.87	Peak	100	138	P

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



Non BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 1, CH40		:



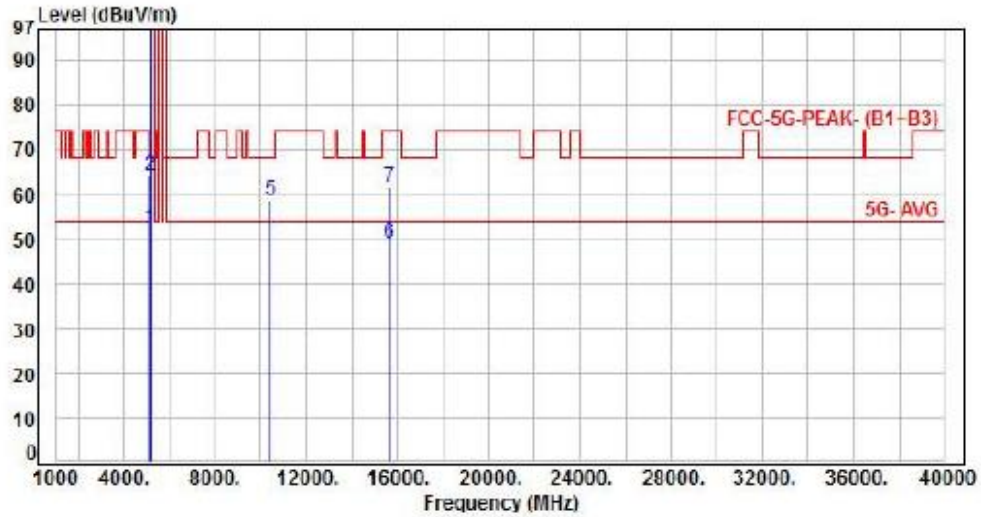
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	44.77	51.47	54.00	-2.53	Average	182	360	P
2	5150.00	6.70	56.58	63.28	74.00	-10.72	Peak	182	360	P
3	5200.00	6.95	110.65	117.60	200.00	-82.40	Average	182	360	P
4	5200.00	6.95	120.47	127.42	200.00	-72.58	Peak	102	360	P
5	10400.00	15.75	42.76	58.51	66.20	-9.69	Peak	100	256	P
6	15600.00	19.55	29.07	48.62	54.00	-5.38	Average	100	174	P
7	15600.00	19.55	42.05	61.60	74.00	-12.40	Peak	100	174	P

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



Non BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 1, CH40		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.85	52.55	54.00	-1.45	Average	179	360	P
2	5150.00	6.70	57.51	64.21	74.00	-9.79	Peak	179	360	P
3	5200.00	6.95	111.57	118.52	200.00	-81.48	Average	179	360	P
4	5200.00	6.95	122.41	129.36	200.00	-70.64	Peak	179	360	P
5	10400.00	15.75	42.74	58.49	68.20	-9.71	Peak	100	224	P
6	15600.00	19.55	29.41	48.96	54.00	-5.04	Average	100	138	P
7	15600.00	19.55	42.04	61.59	74.00	-12.41	Peak	100	138	P

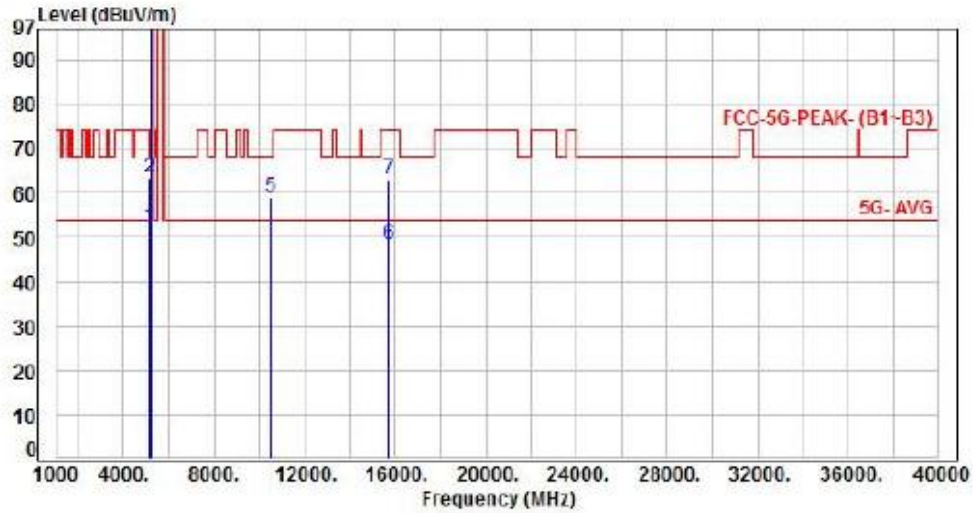
Note: Level=Reading+Factor  
 Margin=Level-Limit  
 Factor=Antenna Factor + cable loss - Amplifier Factor





Non BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 1, CH48		:



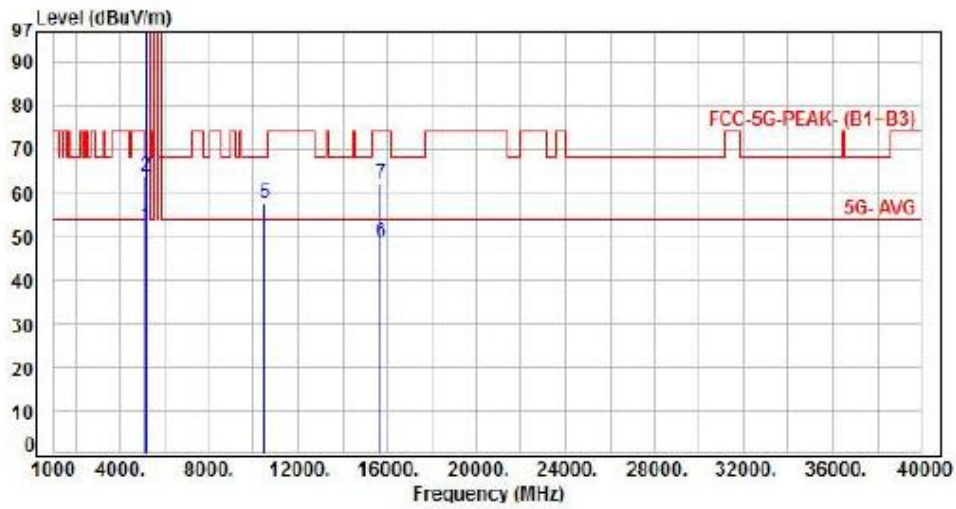
No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.79	52.49	54.00	-1.51	Average	178	360	P
2	5150.00	6.70	56.78	63.48	74.00	-10.52	Peak	178	360	P
3	5240.00	7.00	111.13	118.13	200.00	-81.87	Average	178	360	P
4	5240.00	7.00	121.16	128.16	200.00	-71.84	Peak	178	360	P
5	10480.00	15.80	43.04	58.92	68.20	-9.28	Peak	100	114	P
6	15720.00	19.16	29.17	48.33	54.00	-5.67	Average	100	152	P
7	15720.00	19.16	43.80	62.96	74.00	-11.04	Peak	100	152	P

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



Non BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 1, CH48		:



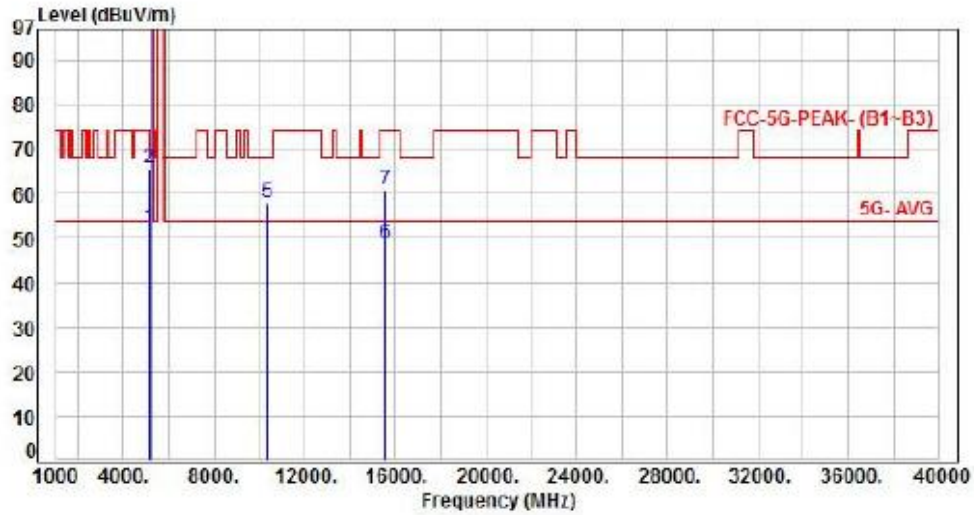
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.85	52.55	54.00	-1.45	Average	185	360	P
2	5150.00	6.70	57.05	63.75	74.00	-10.25	Peak	185	360	P
3	5240.00	7.00	111.22	118.22	200.00	-81.78	Average	185	360	P
4	5240.00	7.00	121.43	128.43	200.00	-71.57	Peak	185	360	P
5	10480.00	15.88	41.66	57.54	68.20	-10.66	Peak	100	360	P
6	15720.00	19.16	29.37	48.53	54.00	-5.47	Average	100	157	P
7	15720.00	19.16	42.98	62.14	74.00	-11.86	Peak	100	157	P

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



Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 1, CH36		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.82	52.52	54.00	-1.48	Average	179	12	P
2	5150.00	6.70	58.85	65.55	74.00	-8.45	Peak	179	12	P
3	5180.00	6.85	106.27	113.12	200.00	-86.88	Average	179	12	P
4	5180.00	6.85	119.63	126.48	200.00	-73.52	Peak	179	12	P
5	10360.00	15.84	42.12	57.96	68.20	-10.24	Peak	100	320	P
6	15540.00	19.60	29.11	48.71	54.00	-5.29	Average	100	226	P
7	15540.00	19.60	41.39	60.99	74.00	-13.01	Peak	100	226	P

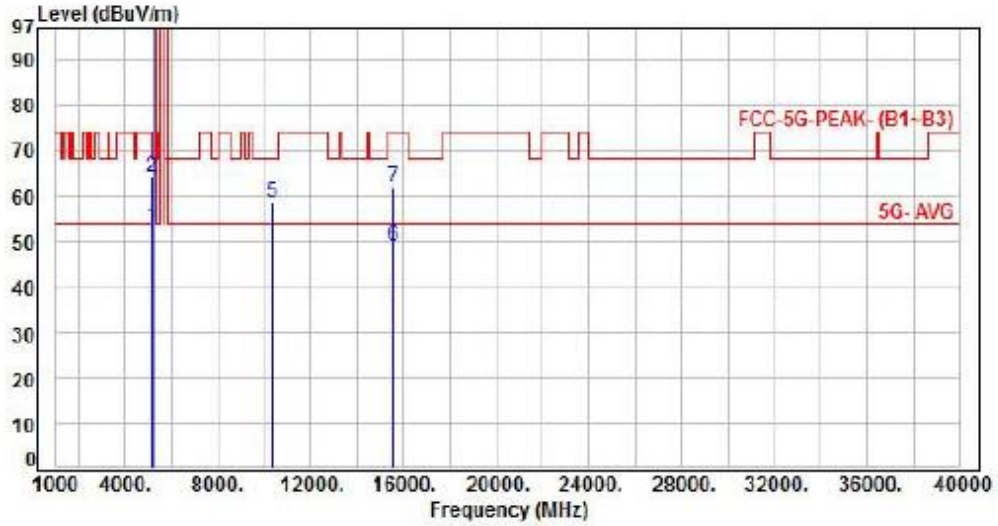
Note: Level=Reading+Factor  
 Margin=Level-Limit  
 Factor=Antenna Factor + cable loss - Amplifier Factor





Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 1, CH36		:	



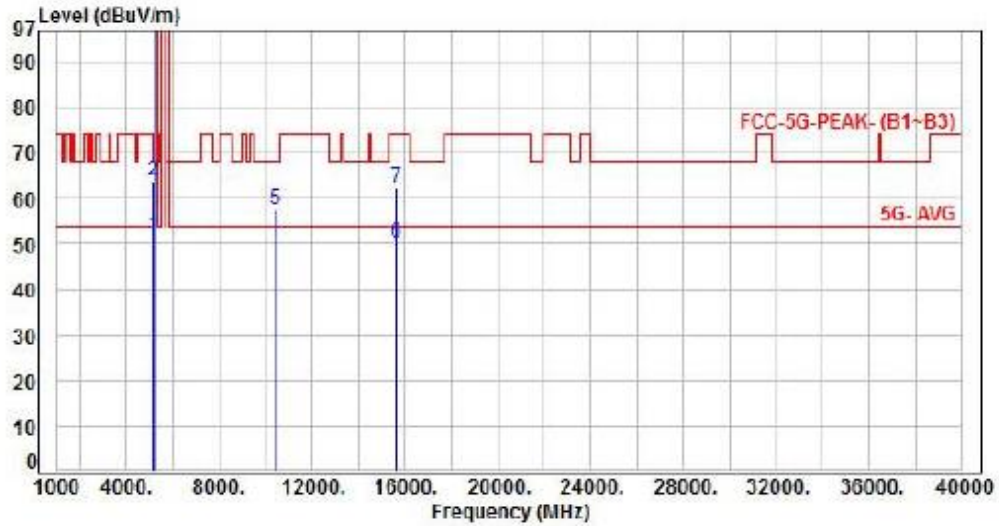
No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	46.23	52.93	54.00	-1.07	Average	186	360	P
2	5150.00	6.70	57.44	64.14	74.00	-9.86	Peak	186	360	P
3	5180.00	6.85	106.94	113.79	200.00	-86.21	Average	186	360	P
4	5180.00	6.85	119.66	126.51	200.00	-73.49	Peak	186	360	P
5	10360.00	15.84	42.87	58.71	68.20	-9.49	Peak	100	264	P
6	15540.00	19.60	29.39	48.99	54.00	-5.01	Average	100	264	P
7	15540.00	15.60	42.40	62.00	74.00	-12.00	Peak	100	264	P

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



Non BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, Band 1, CH40		:



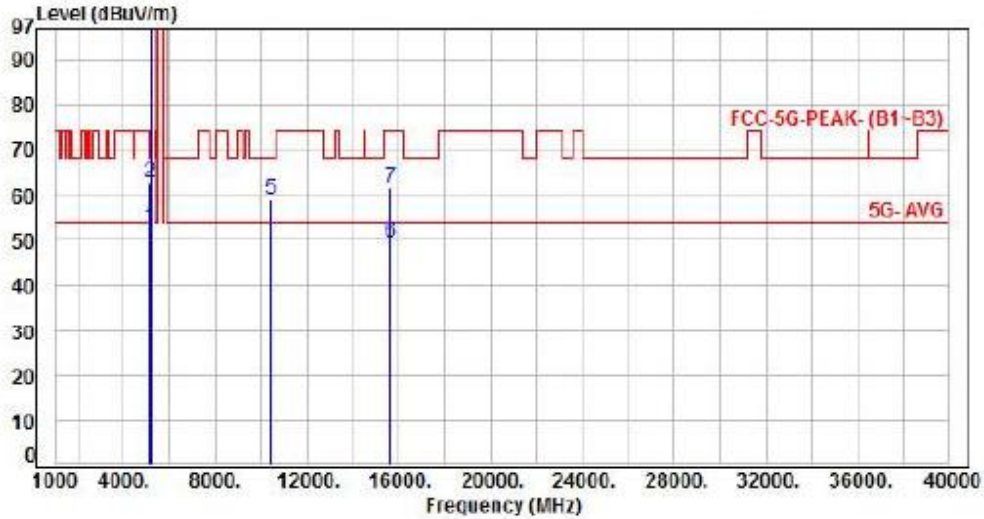
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.10	51.80	54.00	-2.20	Average	176	360	P
2	5150.00	6.70	57.08	63.78	74.00	-10.22	Peak	176	360	P
3	5200.00	6.95	109.97	116.92	200.00	-83.08	Average	176	360	P
4	5200.00	6.95	123.48	130.43	200.00	-69.57	Peak	176	360	P
5	10400.00	15.75	41.82	57.57	68.20	-10.63	Peak	100	138	P
6	15600.00	19.55	30.76	50.31	54.00	-3.69	Average	100	249	P
7	15600.00	19.55	42.93	62.48	74.00	-11.52	Peak	100	249	P

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



Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 1, CH40		:	



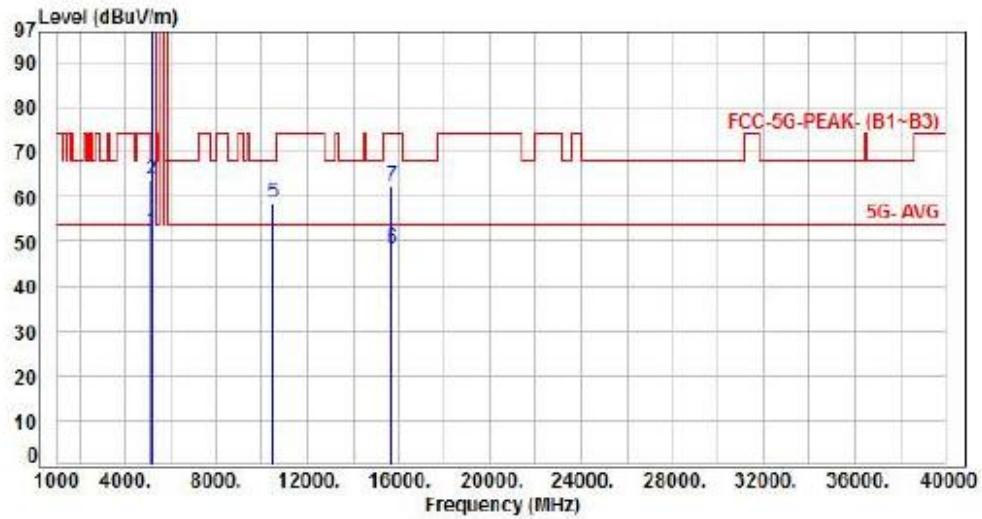
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.89	52.59	54.00	-1.41	Average	182	3	P
2	5150.00	6.70	56.02	62.72	74.00	-11.28	Peak	182	3	P
3	5200.00	6.95	110.95	117.90	200.00	-82.10	Average	182	3	P
4	5200.00	6.95	124.23	131.18	200.00	-68.82	Peak	182	3	P
5	10400.00	15.75	43.18	58.93	68.20	-9.27	Peak	100	156	P
6	15600.00	19.55	29.93	49.48	54.00	-4.52	Average	100	337	P
7	15600.00	19.55	42.06	61.61	74.00	-12.39	Peak	100	337	P

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



Non BeamForming-AL122 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 1, CH48		:	



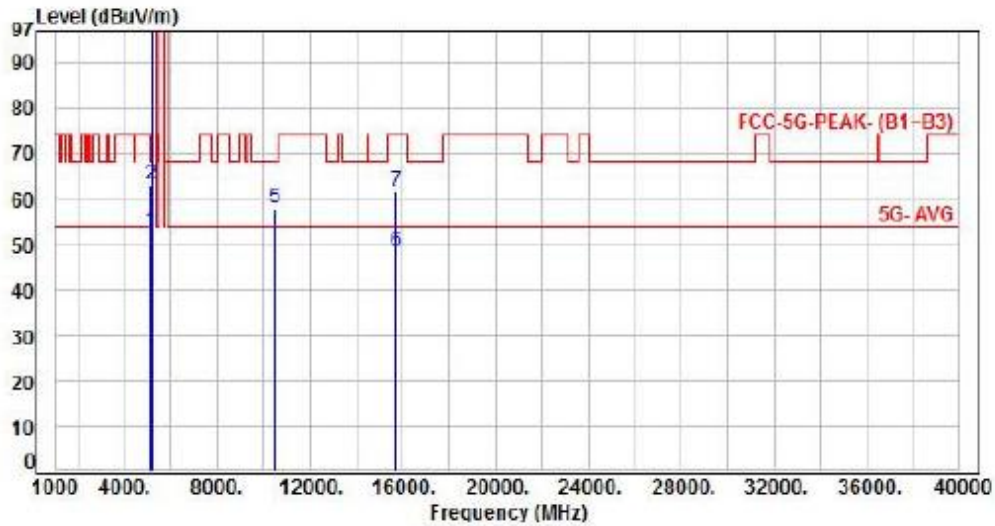
No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.83	52.53	54.00	-1.47	Average	176	360	P
2	5150.00	6.70	57.20	63.90	74.00	-10.10	Peak	176	360	P
3	5240.00	7.00	111.72	118.72	200.00	-81.28	Average	176	360	P
4	5240.00	7.00	124.97	131.97	200.00	-68.03	Peak	176	360	P
5	10480.00	15.88	42.63	58.71	66.20	-9.49	Peak	100	119	P
6	15720.00	19.16	29.06	48.22	54.00	-5.78	Average	100	264	P
7	15720.00	19.16	43.21	62.37	74.00	-11.63	Peak	100	264	P

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



Non BeamForming-AL122 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 1, CH48		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	46.18	52.88	54.00	-1.12	Average	176	360	P
2	5150.00	6.70	56.47	63.17	74.00	-10.83	Peak	176	360	P
3	5240.00	7.00	110.91	117.91	200.00	-82.09	Average	176	360	P
4	5240.00	7.00	125.05	132.05	200.00	-67.95	Peak	176	360	P
5	10480.00	15.88	41.98	57.86	68.20	-10.34	Peak	100	167	P
6	15720.00	19.16	29.16	48.32	54.00	-5.68	Average	100	134	P
7	15720.00	19.16	42.36	61.52	74.00	-12.48	Peak	100	134	P

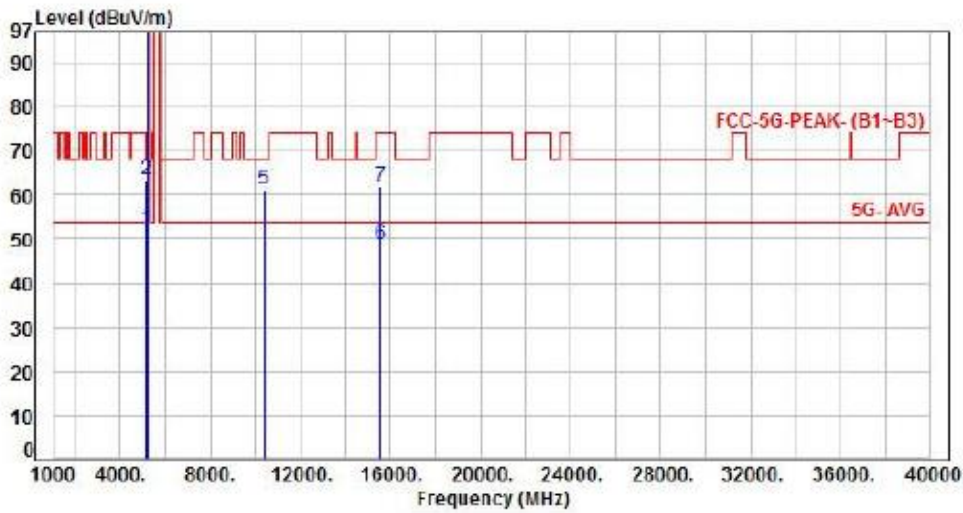
Note: Level=Reading+Factor  
Margin=Level-Limit  
Factor=Antenna Factor + cable loss - Amplifier Factor





Non BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 3, Band 1, CH38		:



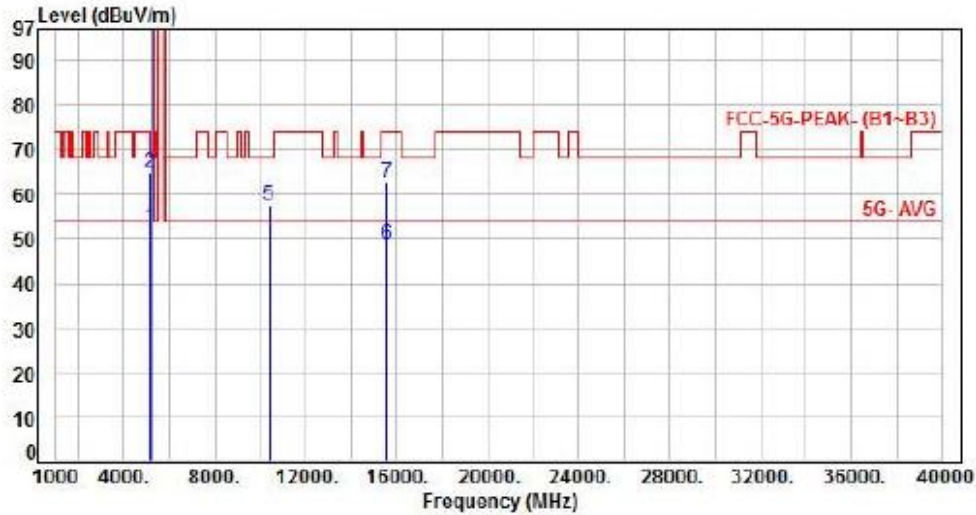
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.82	52.52	54.00	-1.48	Average	360	176	P
2	5150.00	6.70	56.77	63.47	74.00	-10.53	Peak	360	176	P
3	5190.00	6.90	100.82	107.72	200.00	-92.28	Average	360	176	P
4	5190.00	6.90	112.85	119.75	200.00	-80.25	Peak	360	176	P
5	10380.00	15.80	45.41	61.21	68.20	-6.99	Peak	100	158	P
6	15570.00	19.56	29.04	48.60	54.00	-5.40	Average	100	169	P
7	15570.00	19.56	42.35	61.91	74.00	-12.09	Peak	100	169	P

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



Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, Band 1, CH38		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	46.10	52.80	54.00	-1.20	Average	182	360	P
2	5150.00	6.70	58.06	64.76	74.00	-9.24	Peak	182	360	P
3	5190.00	6.90	101.52	108.42	200.00	-91.58	Average	182	360	P
4	5190.00	6.90	113.92	120.82	200.00	-79.18	Peak	182	360	P
5	10380.00	15.80	41.60	57.40	68.20	-10.80	Peak	100	246	P
6	15570.00	19.56	29.12	48.68	54.00	-5.32	Average	100	337	P
7	15570.00	19.56	43.07	62.63	74.00	-11.37	Peak	100	337	P

Note: Level=Reading+Factor

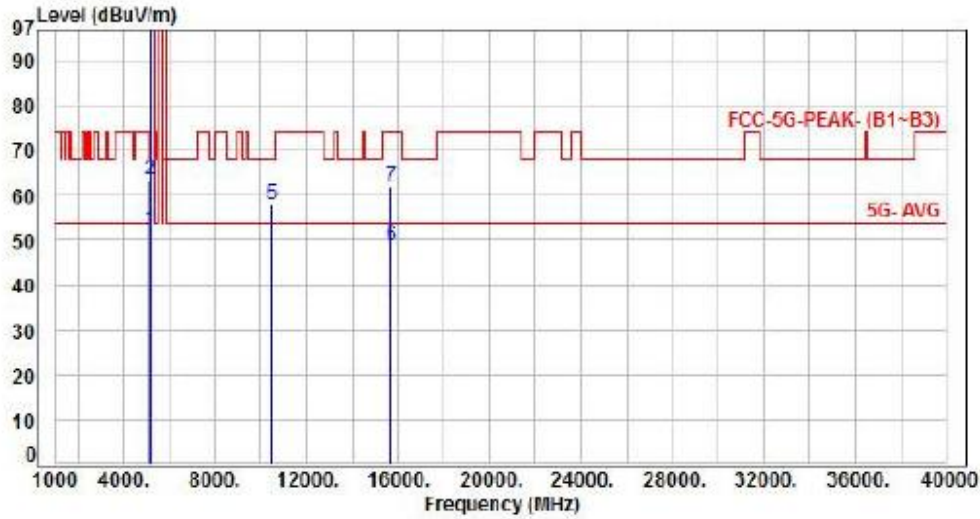
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 1, CH46		:	



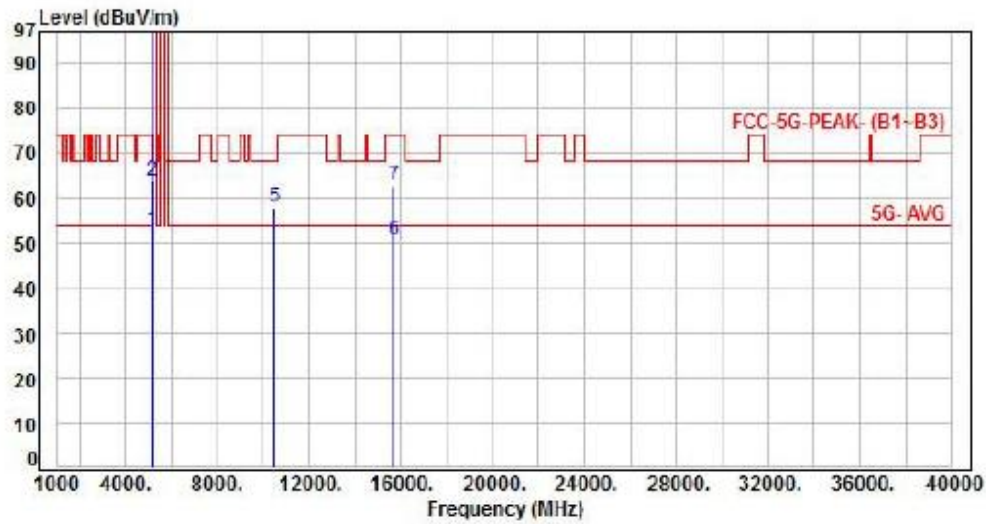
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.60	52.30	54.00	-1.70	Average	177	360	P
2	5150.00	6.70	56.67	63.37	74.00	-10.63	Peak	177	360	P
3	5230.00	6.99	107.58	114.57	200.00	-85.43	Average	177	360	P
4	5230.00	6.99	121.09	128.08	200.00	-71.92	Peak	177	360	P
5	10460.00	15.77	42.20	57.97	68.20	-10.23	Peak	100	77	P
6	15690.00	19.35	29.22	48.57	54.00	-5.43	Average	100	67	P
7	15690.00	19.35	42.65	62.00	74.00	-12.00	Peak	100	67	P

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



Non BeamForming-AL122 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, Band 1, CH46		



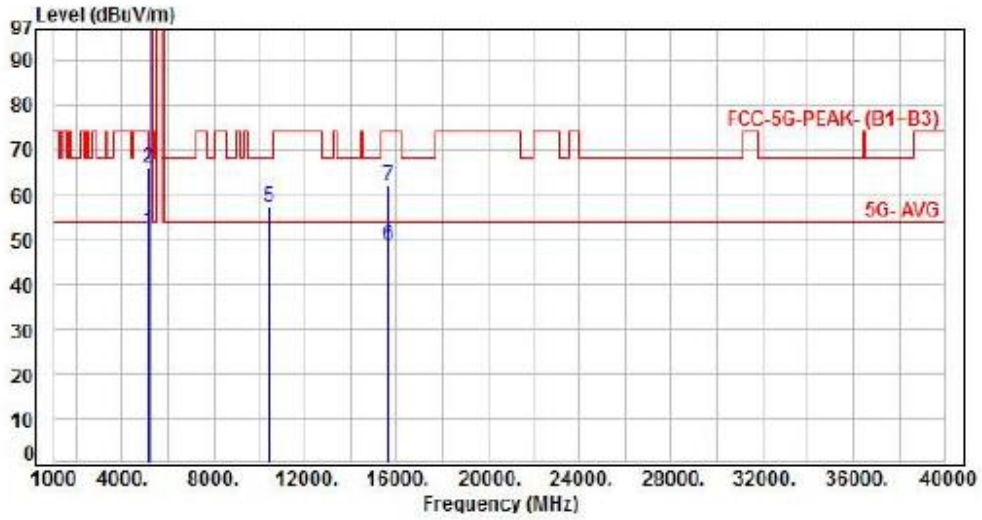
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.94	52.64	54.00	-1.36	Average	185	0	P
2	5150.00	6.70	57.16	63.86	74.00	-10.14	Peak	185	0	P
3	5230.00	6.99	107.48	114.47	200.00	-85.53	Average	185	0	P
4	5230.00	6.99	120.18	127.17	200.00	-72.83	Peak	185	0	P
5	10460.00	15.77	42.28	58.05	68.20	-10.15	Peak	100	145	P
6	15690.00	19.35	31.28	50.63	54.00	-3.37	Average	100	145	P
7	15690.00	19.35	43.26	62.63	74.00	-11.37	Peak	100	145	P

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



Non BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, Band 1, CH42		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.21	51.91	54.00	-2.09	Average	184	360	P
2	5150.00	6.70	59.46	66.16	74.00	-7.84	Peak	184	360	P
3	5210.00	6.97	96.35	103.32	200.00	-96.68	Average	184	360	P
4	5210.00	6.97	109.05	116.02	200.00	-83.98	Peak	184	360	P
5	10420.00	15.74	41.60	57.34	68.20	-10.86	Peak	100	112	P
6	15630.00	19.48	29.09	48.57	54.00	-5.43	Average	100	177	P
7	15630.00	19.48	42.30	61.78	74.00	-12.22	Peak	100	177	P

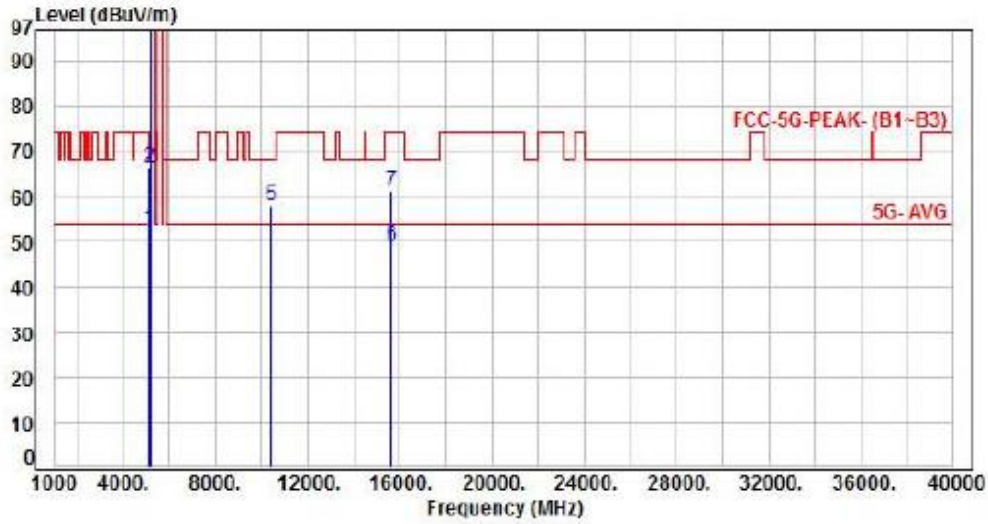
Note: Level=Reading+Factor  
 Margin=Level-Limit  
 Factor=Antenna Factor + cable loss - Amplifier Factor





Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 1, CH42		:	



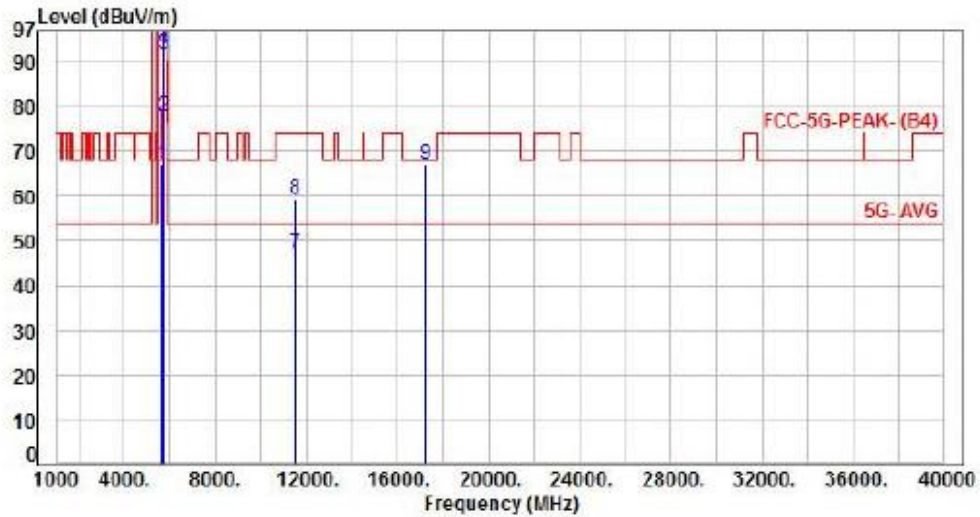
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.92	52.62	54.00	-1.38	Average	191	0	P
2	5150.00	6.70	59.74	66.44	74.00	-7.56	Peak	191	0	P
3	5210.00	6.97	96.81	103.78	200.00	-96.22	Average	191	0	P
4	5210.00	6.97	110.78	117.75	200.00	-82.25	Peak	191	0	P
5	10420.00	15.74	42.32	58.06	68.20	-10.14	Peak	100	158	P
6	15630.00	19.48	29.66	49.14	54.00	-4.86	Average	100	183	P
7	15630.00	19.48	41.63	61.11	74.00	-12.89	Peak	100	183	P

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



Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 4, CH149		:	



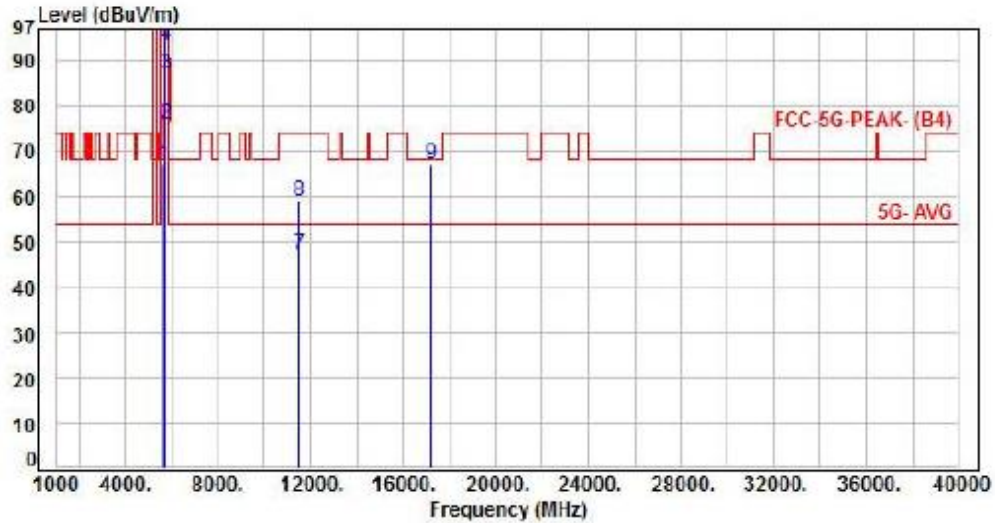
No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	7.35	59.66	67.01	68.20	-1.19	Peak	183	360	P
2	5700.00	7.37	70.29	77.66	105.20	-27.54	Peak	183	360	P
3	5720.00	7.34	84.47	91.81	110.80	-18.99	Peak	183	360	P
4	5725.00	7.33	85.50	92.83	122.20	-29.37	Peak	183	360	P
5	5745.00	7.30	112.99	120.29	200.00	-79.71	Average	183	360	P
6	5745.00	7.30	122.58	129.88	200.00	-70.12	Peak	183	360	P
7	11490.00	17.63	29.50	47.13	54.00	-6.87	Average	100	258	P
8	11490.00	17.63	41.73	59.36	74.00	-14.64	Peak	100	258	P
9	17235.00	23.62	43.54	67.16	68.20	-1.04	Peak	100	167	P

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



Non BeamForming-AL122 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 4, CH149		:	



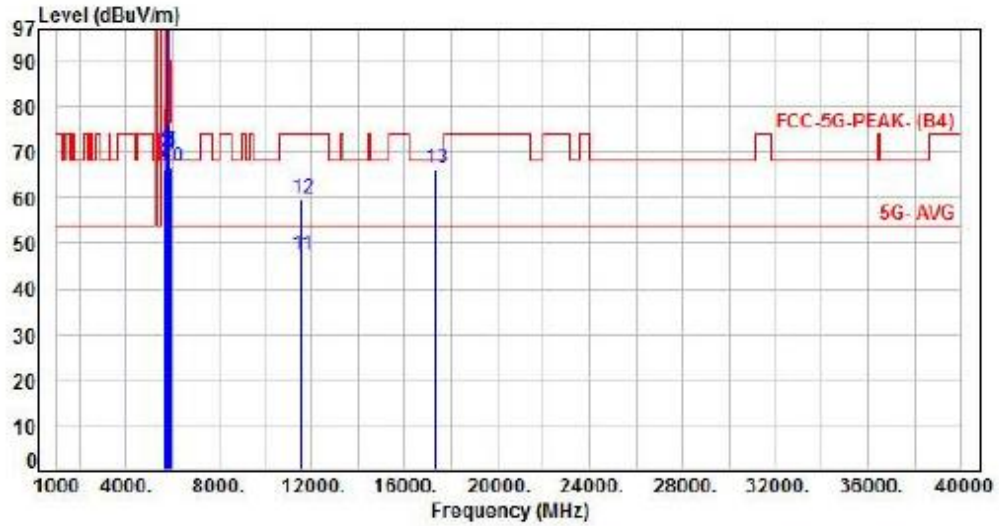
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	7.35	59.71	67.06	68.20	-1.14	Peak	182	0	P
2	5700.00	7.37	68.45	75.82	105.20	-29.38	Peak	182	0	P
3	5720.00	7.34	79.82	87.16	110.80	-23.64	Peak	182	0	P
4	5725.00	7.33	86.13	93.46	122.20	-28.74	Peak	182	0	P
5	5745.00	7.30	113.44	120.74	200.00	-79.26	Average	182	0	P
6	5745.00	7.30	123.53	130.83	200.00	-69.17	Peak	182	0	P
7	11490.00	17.63	29.40	47.03	54.00	-6.97	Average	100	224	P
8	11490.00	17.63	41.25	58.88	74.00	-15.12	Peak	100	224	P
9	17235.00	23.62	43.44	67.06	68.20	-1.14	Peak	100	254	P

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



Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 4, CH157		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	7.35	58.92	66.27	68.20	-1.93	Peak	181	360	P
2	5700.00	7.37	60.54	67.91	105.20	-37.29	Peak	181	360	P
3	5720.00	7.34	62.81	70.15	110.80	-40.65	Peak	181	360	P
4	5725.00	7.33	64.38	71.71	122.20	-50.49	Peak	181	360	P
5	5785.00	7.37	112.85	120.22	200.00	-79.78	Average	181	360	P
6	5785.00	7.37	121.00	128.37	200.00	-71.63	Peak	181	360	P
7	5850.00	7.43	62.81	70.24	122.20	-51.96	Peak	181	360	P
8	5855.00	7.45	62.44	69.89	110.80	-40.91	Peak	181	360	P
9	5875.00	7.54	61.79	69.33	105.20	-35.87	Peak	181	360	P
10	5925.00	7.66	59.09	66.75	68.20	-1.45	Peak	181	360	P
11	11570.00	17.83	29.38	47.21	54.00	-6.79	Average	100	223	P
12	11570.00	17.83	41.91	59.74	74.00	-14.26	Peak	100	223	P
13	17355.00	24.42	42.13	66.55	68.20	-1.65	Peak	100	205	P

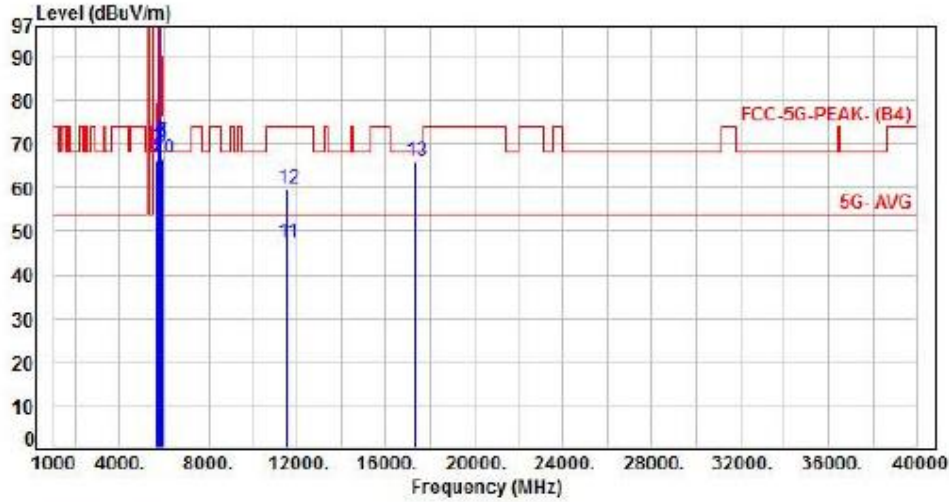
Note: Level=Reading+Factor  
Margin=Level-Limit  
Factor=Antenna Factor + cable loss - Amplifier Factor





Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 4, CH157		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	7.35	59.04	66.39	68.20	-1.81	Peak	187	0	P
2	5700.00	7.37	59.78	67.15	105.20	-38.05	Peak	187	0	P
3	5720.00	7.34	61.57	68.91	110.80	-41.89	Peak	187	0	P
4	5725.00	7.33	63.56	70.89	122.20	-51.31	Peak	187	0	P
5	5785.00	7.37	113.65	121.02	200.00	-78.98	Average	187	0	P
6	5785.00	7.37	124.08	131.45	200.00	-68.55	Peak	187	0	P
7	5850.00	7.43	63.11	70.54	122.20	-51.66	Peak	187	0	P
8	5855.00	7.45	63.12	70.57	110.80	-40.23	Peak	187	0	P
9	5875.00	7.54	61.76	69.30	105.20	-35.90	Peak	187	0	P
10	5925.00	7.66	59.21	66.87	68.20	-1.33	Peak	187	0	P
11	11570.00	17.83	29.36	47.19	54.00	-6.81	Average	100	63	P
12	11570.00	17.83	41.80	59.63	74.00	-14.37	Peak	100	63	P
13	17355.00	24.42	41.68	66.10	68.20	-2.10	Peak	100	204	P

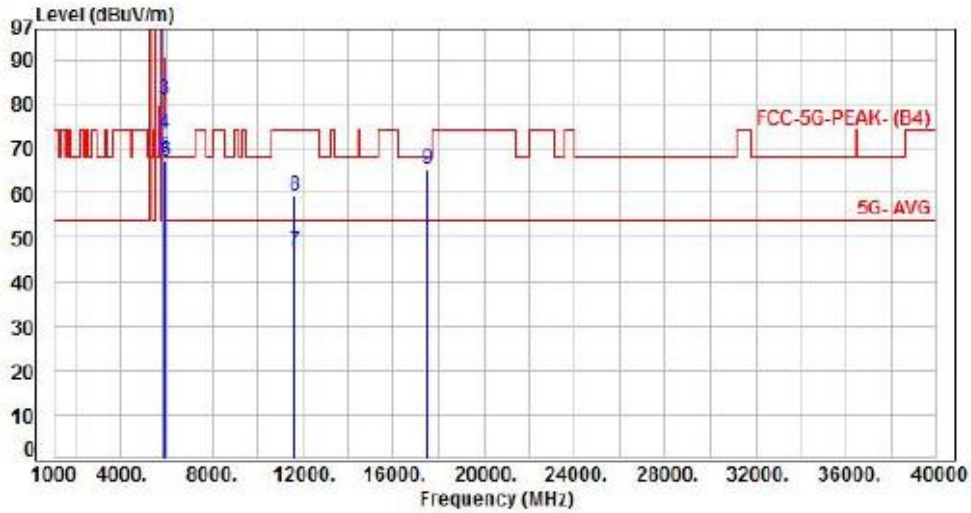
Note: Level=Reading+Factor  
 Margin=Level-Limit  
 Factor=Antenna Factor + cable loss - Amplifier Factor





Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 4, CH165		:	



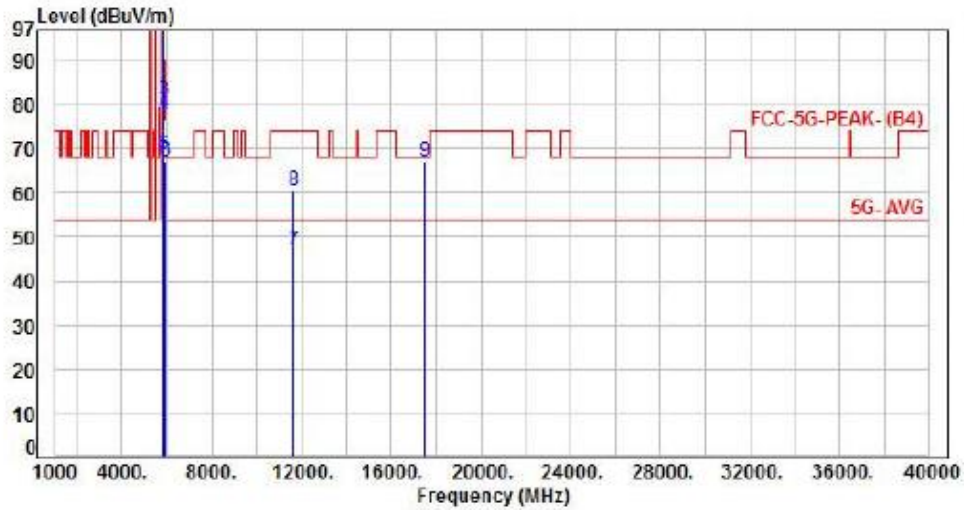
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	7.42	110.51	117.93	200.00	-82.07	Average	181	360	P
2	5825.00	7.42	120.95	128.37	200.00	-71.63	Peak	181	360	P
3	5850.00	7.43	73.89	81.32	122.20	-40.88	Peak	181	360	P
4	5855.00	7.45	65.79	73.24	110.80	-37.56	Peak	181	360	P
5	5875.00	7.54	60.45	67.99	105.20	-37.21	Peak	181	360	P
6	5925.00	7.66	59.53	67.19	68.20	-1.01	Peak	181	360	P
7	11650.00	17.99	29.02	47.01	54.00	-6.99	Average	100	157	P
8	11650.00	17.99	41.56	59.55	74.00	-14.45	Peak	100	157	P
9	17475.00	25.00	40.24	65.24	68.20	-2.96	Peak	100	255	P

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



Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 4, CH165		:	



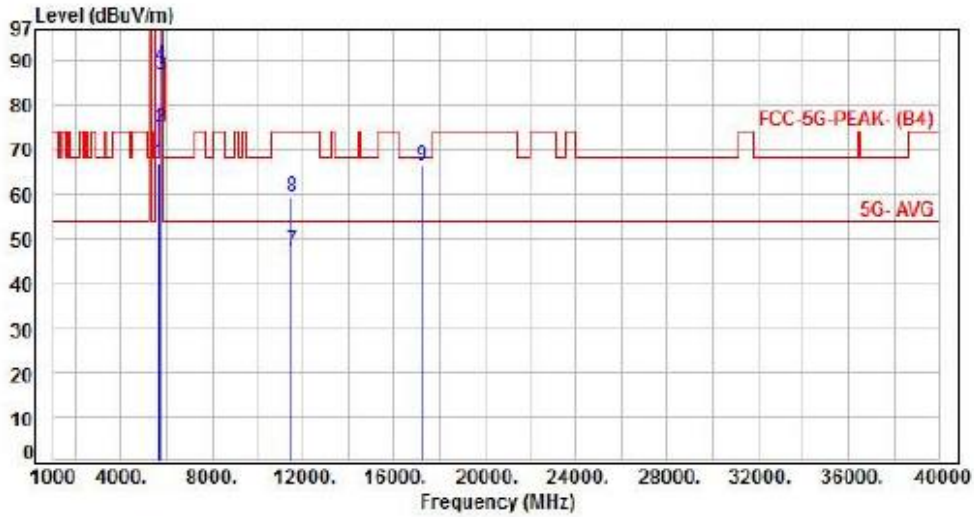
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	7.42	111.40	118.82	200.00	-81.18	Average	182	0	P
2	5825.00	7.42	120.96	128.38	200.00	-71.62	Peak	182	0	P
3	5850.00	7.43	73.54	80.97	122.20	-41.23	Peak	182	0	P
4	5855.00	7.45	70.53	77.98	110.80	-32.82	Peak	182	0	P
5	5875.00	7.54	61.13	68.67	105.20	-36.53	Peak	182	0	P
6	5925.00	7.66	59.51	67.17	68.20	-1.03	Peak	182	0	P
7	11650.00	17.99	28.96	46.95	54.00	-7.05	Average	100	183	P
8	11650.00	17.99	42.33	60.32	74.00	-13.68	Peak	100	183	P
9	17475.00	25.00	42.01	67.01	68.20	-1.19	Peak	100	269	P

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



Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 4, CH149		:	



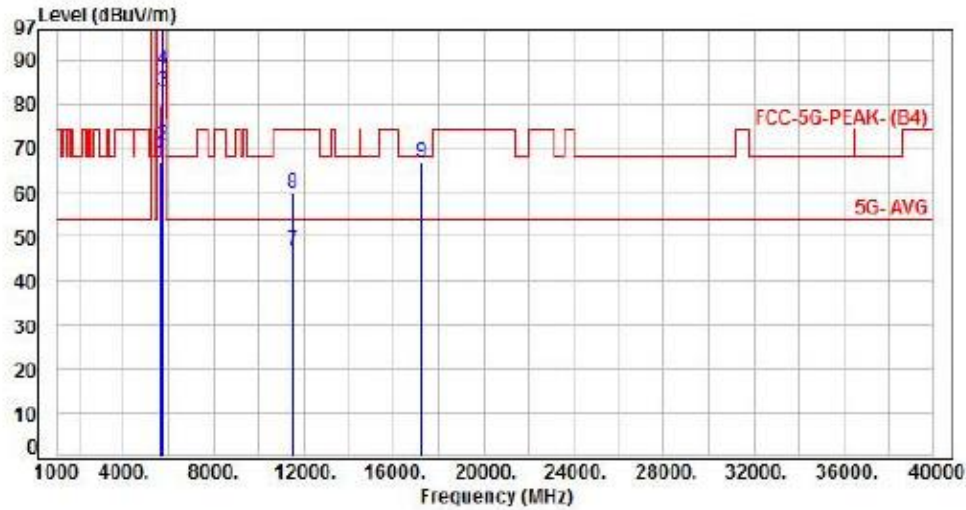
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	7.35	59.78	67.13	68.20	-1.07	Peak	180	360	P
2	5700.00	7.37	67.52	74.89	105.20	-30.31	Peak	180	360	P
3	5720.00	7.34	79.21	86.55	110.80	-24.25	Peak	180	360	P
4	5725.00	7.33	81.72	89.05	122.20	-33.15	Peak	180	360	P
5	5745.00	7.30	110.77	118.07	200.00	-81.93	Average	180	360	P
6	5745.00	7.30	124.95	132.25	200.00	-67.75	Peak	180	360	P
7	11490.00	17.63	29.43	47.06	54.00	-6.94	Average	100	114	P
8	11490.00	17.63	41.83	59.46	74.00	-14.54	Peak	100	114	P
9	17235.00	23.62	42.93	66.55	68.20	-1.65	Peak	100	58	P

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



Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 4, CH149		:	



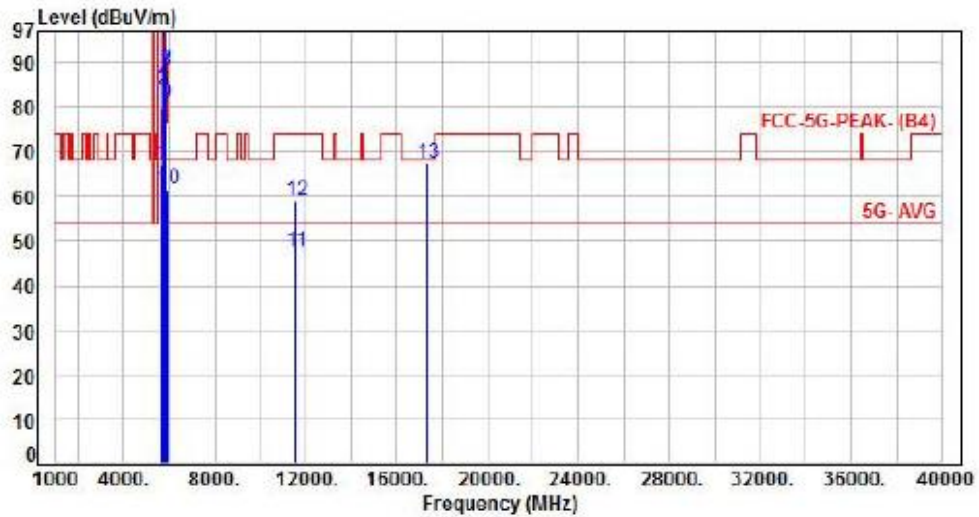
No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/n)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	7.35	59.41	66.76	68.20	-1.44	Peak	189	0	P
2	5700.00	7.37	63.41	70.78	105.20	-34.42	Peak	189	0	P
3	5720.00	7.34	75.65	82.99	110.80	-27.81	Peak	189	0	P
4	5725.00	7.33	80.59	87.92	122.20	-34.28	Peak	189	0	P
5	5745.00	7.30	110.90	118.20	200.00	-81.80	Average	189	0	P
6	5745.00	7.30	125.01	132.31	200.00	-67.69	Peak	189	0	P
7	11490.00	17.63	29.12	46.75	54.00	-7.25	Average	100	214	P
8	11490.00	17.63	42.22	59.85	74.00	-14.15	Peak	100	214	P
9	17235.00	23.62	43.25	66.87	68.20	-1.33	Peak	100	154	P

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



Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 4, CH157		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	7.35	59.84	67.19	68.20	-1.01	Peak	176	360	P
2	5700.00	7.37	76.67	84.04	105.20	-21.16	Peak	176	360	P
3	5720.00	7.34	76.67	84.01	110.80	-26.79	Peak	176	360	P
4	5725.00	7.33	78.34	85.67	122.20	-36.53	Peak	176	360	P
5	5785.00	7.37	115.84	123.21	200.00	-76.79	Average	176	360	P
6	5785.00	7.37	129.08	136.45	200.00	-63.55	Peak	176	360	P
7	5850.00	7.43	80.69	88.12	122.20	-34.08	Peak	176	360	P
8	5855.00	7.45	80.70	88.15	110.80	-22.65	Peak	176	360	P
9	5875.00	7.54	73.13	80.67	105.20	-24.53	Peak	176	360	P
10	5925.00	7.66	53.75	61.41	68.20	-6.79	Peak	176	360	P
11	11570.00	17.83	29.69	47.52	54.00	-6.48	Average	100	64	P
12	11570.00	17.83	41.32	59.15	74.00	-14.85	Peak	100	64	P
13	17355.00	24.42	43.06	67.48	68.20	-0.72	Peak	100	314	P

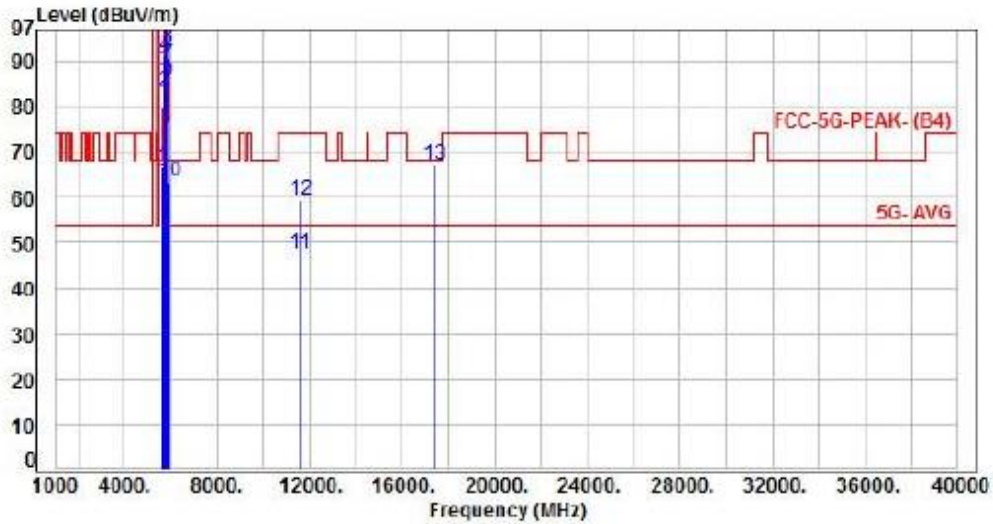
Note: Level=Reading+Factor  
 Margin=Level-Limit  
 Factor=Antenna Factor + cable loss - Amplifier Factor





Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 4, CH157		:	



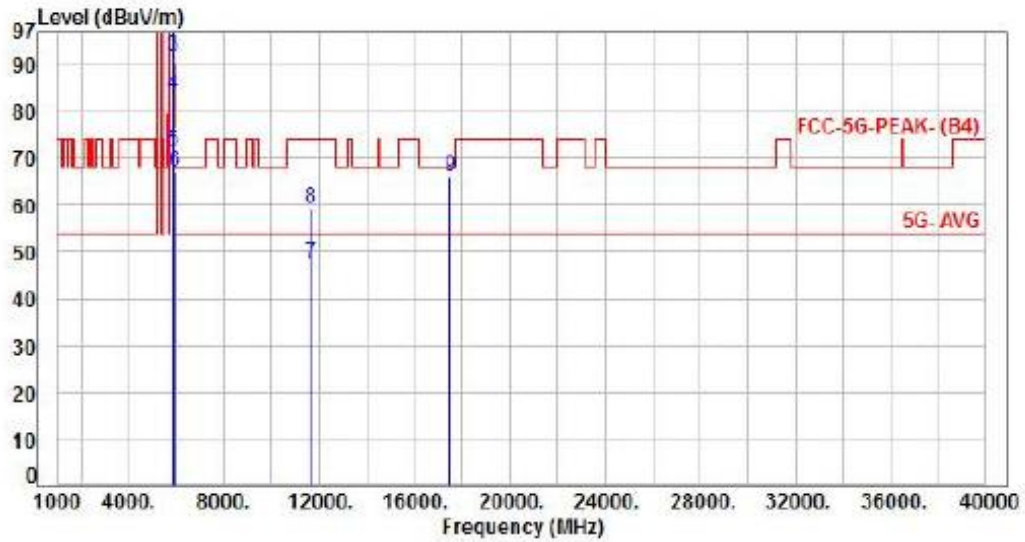
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	7.35	59.51	66.86	68.20	-1.34	Peak	183	0	P
2	5700.00	7.37	76.06	83.43	105.20	-21.77	Peak	183	0	P
3	5720.00	7.34	80.57	87.91	110.80	-22.89	Peak	183	0	P
4	5725.00	7.33	83.83	91.16	122.20	-31.04	Peak	183	0	P
5	5785.00	7.37	115.91	123.28	200.00	-76.72	Average	183	0	P
6	5785.00	7.37	128.91	136.28	200.00	-63.72	Peak	183	0	P
7	5850.00	7.43	81.71	89.14	122.20	-33.06	Peak	183	0	P
8	5855.00	7.45	85.39	92.84	110.80	-17.96	Peak	183	0	P
9	5875.00	7.54	78.02	85.56	105.20	-19.64	Peak	183	0	P
10	5925.00	7.66	55.86	63.52	68.20	-4.68	Peak	183	0	P
11	11570.00	17.83	29.64	47.47	54.00	-6.53	Average	100	314	P
12	11570.00	17.83	41.64	59.47	74.00	-14.53	Peak	100	314	P
13	17355.00	24.42	42.76	67.18	68.20	-1.02	Peak	100	214	P

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



Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 4, CH165		:	



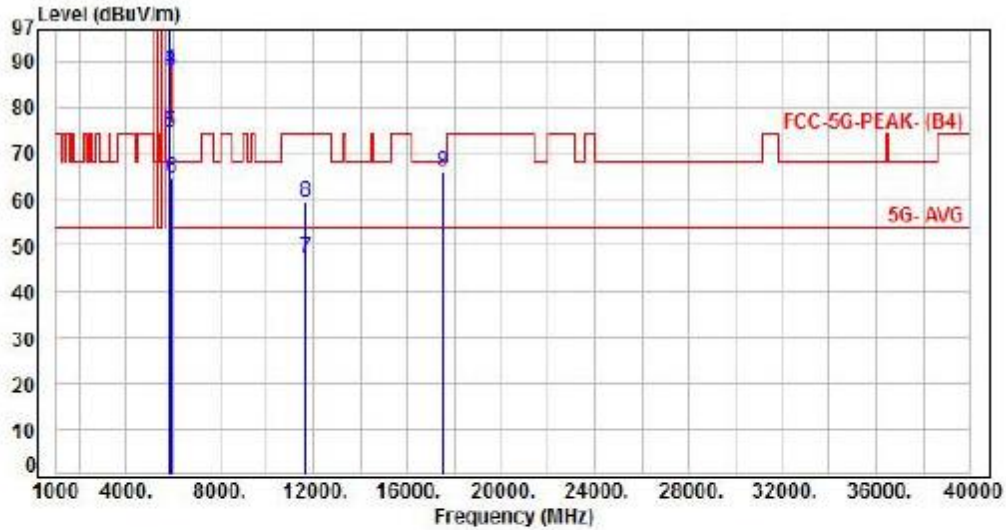
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	7.42	112.11	119.53	200.00	-80.47	Average	181	360	P
2	5825.00	7.42	125.36	132.78	200.00	-67.22	Peak	181	360	P
3	5850.00	7.43	84.25	91.68	122.20	-30.52	Peak	181	360	P
4	5855.00	7.45	76.25	83.70	110.80	-27.10	Peak	181	360	P
5	5875.00	7.54	64.01	71.55	105.20	-33.65	Peak	181	360	P
6	5925.00	7.66	59.50	67.16	68.20	-1.04	Peak	181	360	P
7	11650.00	17.99	29.42	47.41	54.00	-6.59	Average	100	147	P
8	11650.00	17.99	41.36	59.35	74.00	-14.65	Peak	100	147	P
9	17475.00	25.00	40.90	65.90	68.20	-2.30	Peak	100	156	P

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



Non BeamForming-AL122 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 4, CH165		:	



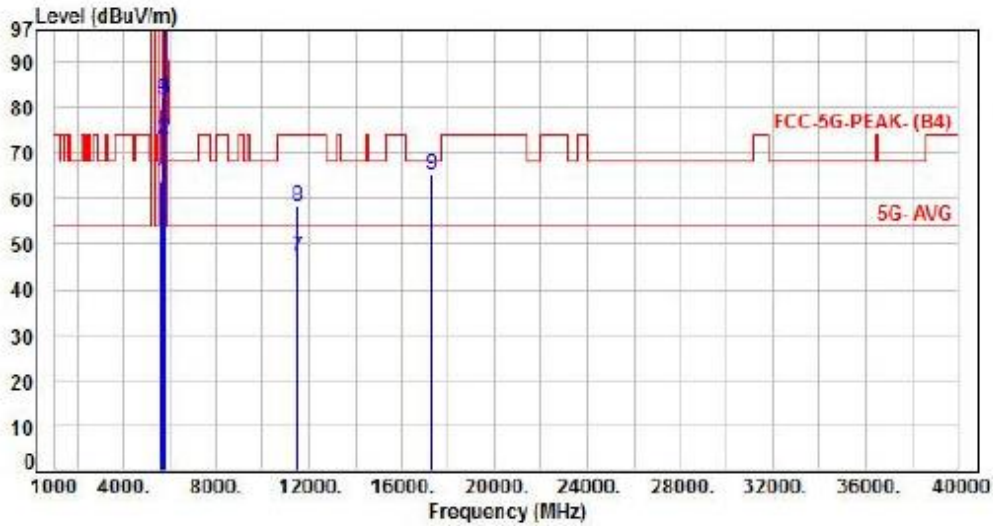
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	7.42	113.00	120.42	200.00	-79.58	Average	100	360	P
2	5825.00	7.42	126.64	134.06	200.00	-65.94	Peak	100	360	P
3	5850.00	7.43	80.29	87.72	122.20	-34.48	Peak	100	360	P
4	5855.00	7.45	80.52	87.97	110.80	-22.83	Peak	100	360	P
5	5875.00	7.54	66.97	74.51	105.20	-30.69	Peak	100	360	P
6	5925.00	7.66	57.05	64.71	68.20	-3.49	Peak	100	360	P
7	11650.00	17.99	29.36	47.35	54.00	-6.65	Average	100	57	P
8	11650.00	17.99	41.32	59.31	74.00	-14.69	Peak	100	57	P
9	17475.00	25.00	41.06	66.06	68.20	-2.14	Peak	100	214	P

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



Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 4, CH151		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	7.35	56.56	63.91	68.20	-4.29	Peak	181	360	P
2	5700.00	7.37	65.53	72.90	105.20	-32.30	Peak	181	360	P
3	5720.00	7.34	74.62	81.96	110.80	-28.84	Peak	181	360	P
4	5725.00	7.33	75.01	82.34	122.20	-39.86	Peak	181	360	P
5	5755.00	7.30	102.81	110.11	200.00	-89.89	Average	181	360	P
6	5755.00	7.30	116.52	123.82	200.00	-76.18	Peak	181	360	P
7	11510.00	17.70	29.52	47.22	54.00	-6.78	Average	100	135	P
8	11510.00	17.70	40.69	58.39	74.00	-15.61	Peak	100	135	P
9	17265.00	23.77	41.36	65.13	68.20	-3.07	Peak	100	247	P

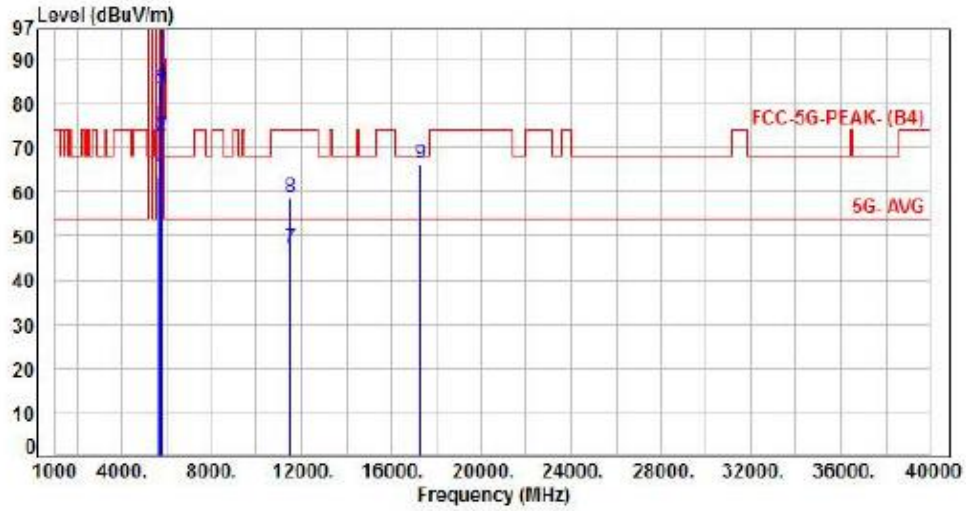
Note: Level=Reading+Factor  
Margin=Level-Limit  
Factor=Antenna Factor + cable loss - Amplifier Factor





Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, Band 4, CH151		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	7.35	56.21	63.56	68.20	-4.64	Peak	181	360	P
2	5700.00	7.37	65.39	72.76	105.20	-32.44	Peak	181	360	P
3	5720.00	7.34	76.08	83.42	110.80	-27.38	Peak	181	360	P
4	5725.00	7.33	76.95	84.28	122.20	-37.92	Peak	181	360	P
5	5755.00	7.30	104.90	112.20	200.00	-87.80	Average	181	360	P
6	5755.00	7.30	118.25	125.55	200.00	-74.45	Peak	181	360	P
7	11510.00	17.70	29.39	47.09	54.00	-6.91	Average	100	246	P
8	11510.00	17.70	40.95	58.65	74.00	-15.35	Peak	100	246	P
9	17265.00	23.77	42.65	66.42	68.20	-1.78	Peak	100	112	P

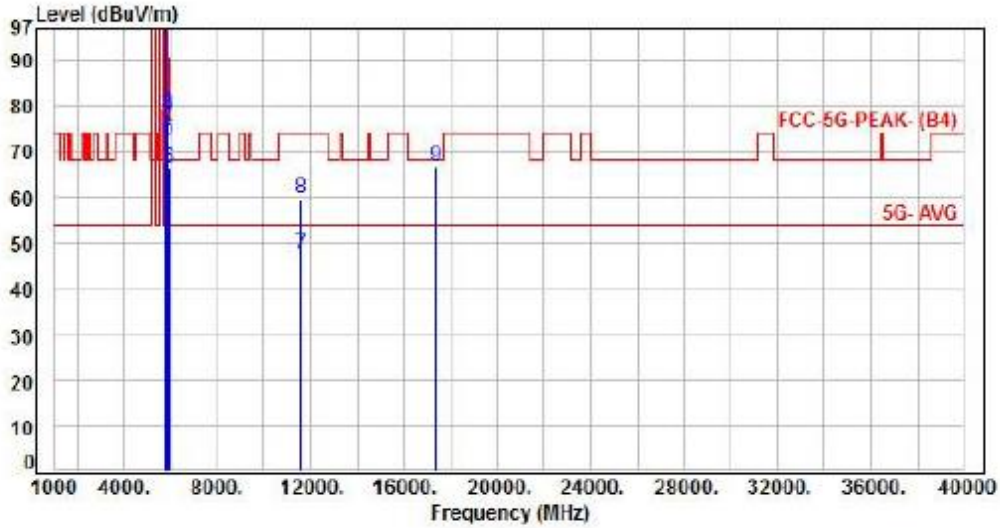
Note: Level=Reading+Factor  
 Margin=Level-Limit  
 Factor=Antenna Factor + cable loss - Amplifier Factor





Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 4, CH159		:	



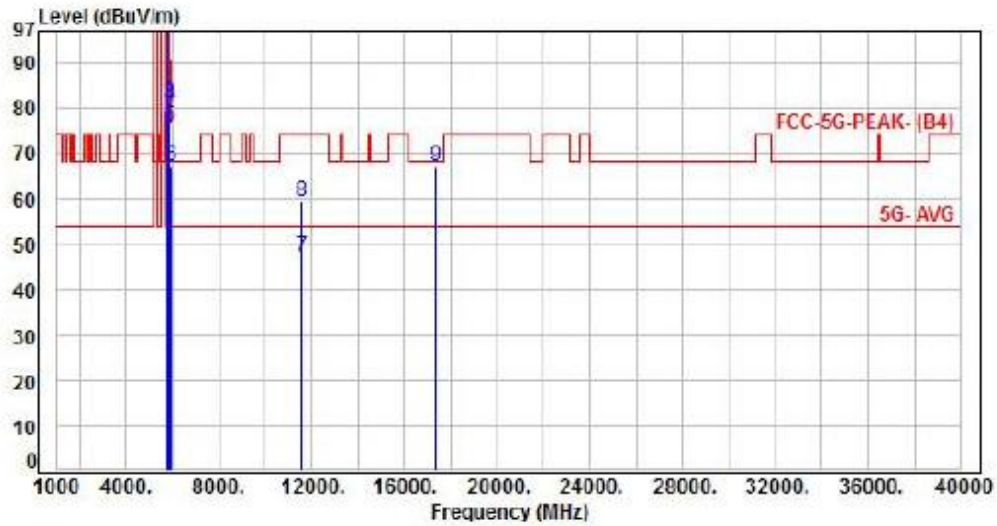
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5795.00	7.39	95.76	103.15	200.00	-96.85	Average	180	360	P
2	5795.00	7.39	109.47	116.86	200.00	-83.14	Peak	180	360	P
3	5850.00	7.43	70.81	78.24	122.20	-43.96	Peak	180	360	P
4	5855.00	7.45	70.25	77.70	110.00	-33.10	Peak	180	360	P
5	5875.00	7.54	65.20	72.74	105.20	-32.46	Peak	180	360	P
6	5925.00	7.66	58.81	66.47	68.20	-1.73	Peak	180	360	P
7	11590.00	17.86	29.67	47.53	54.00	-6.47	Average	100	114	P
8	11590.00	17.86	41.74	59.60	74.00	-14.40	Peak	100	114	P
9	17385.00	24.49	42.35	66.84	68.20	-1.36	Peak	100	299	P

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



Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, Band 4, CH159		:	



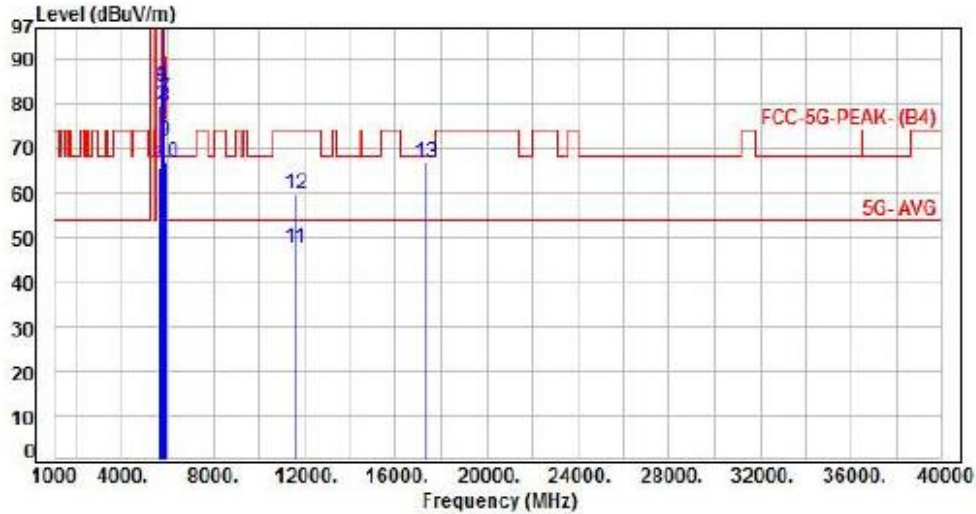
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5795.00	7.39	105.06	112.45	200.00	-87.55	Average	185	360	P
2	5795.00	7.39	118.61	126.00	200.00	-74.00	Peak	185	360	P
3	5850.00	7.43	73.81	81.24	122.20	-40.96	Peak	185	360	P
4	5855.00	7.45	72.84	80.29	110.80	-30.51	Peak	185	360	P
5	5875.00	7.54	68.58	76.12	105.20	-29.08	Peak	185	360	P
6	5925.00	7.66	59.50	67.16	68.20	-1.04	Peak	185	360	P
7	11590.00	17.86	29.37	47.23	54.00	-6.77	Average	100	114	P
8	11590.00	17.86	41.54	59.40	74.00	-14.60	Peak	100	114	P
9	17385.00	24.49	42.62	67.11	68.20	-1.09	Peak	100	250	P

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



Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 4, CH155		:	



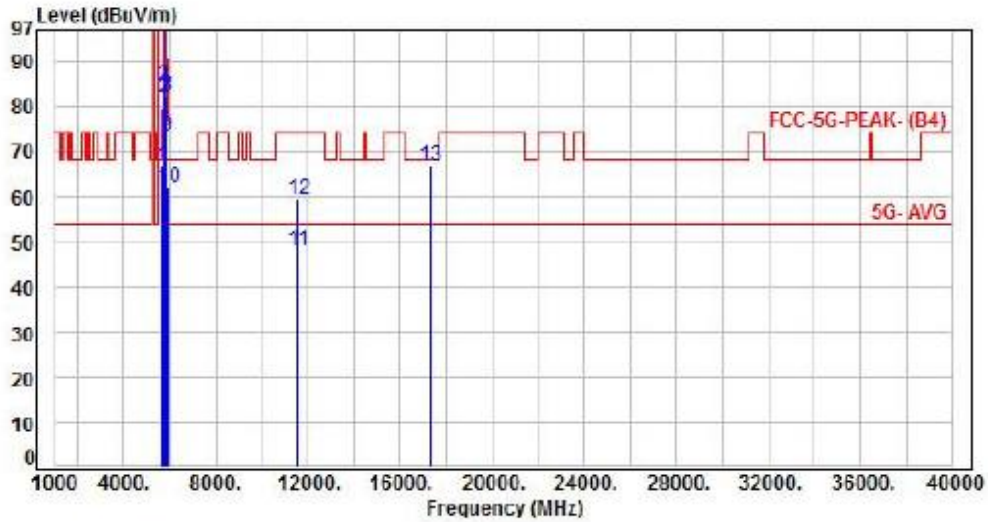
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	7.35	58.41	65.76	68.20	-2.44	Peak	181	360	P
2	5700.00	7.37	72.26	79.63	105.20	-25.57	Peak	181	360	P
3	5720.00	7.34	76.29	83.63	110.80	-27.17	Peak	181	360	P
4	5725.00	7.33	77.25	84.58	122.20	-37.62	Peak	181	360	P
5	5775.00	7.35	103.49	110.84	200.00	-89.16	Average	181	360	P
6	5775.00	7.35	116.88	124.23	200.00	-75.77	Peak	181	360	P
7	5850.00	7.43	73.81	81.24	122.20	-40.96	Peak	181	360	P
8	5855.00	7.45	72.02	79.47	110.80	-31.33	Peak	181	360	P
9	5875.00	7.54	64.16	71.70	105.20	-33.50	Peak	181	360	P
10	5925.00	7.66	59.01	66.67	68.20	-1.53	Peak	181	360	P
11	11550.00	17.79	29.68	47.47	54.00	-6.53	Average	100	257	P
12	11550.00	17.79	41.83	59.62	74.00	-14.38	Peak	100	257	P
13	17325.00	24.20	42.55	66.75	68.20	-1.45	Peak	100	257	P

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



Non BeamForming-ALI22 Antenna

Power	:	From PoE (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 4, CH155		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	7.35	59.54	66.89	68.20	-1.31	Peak	187	360	P
2	5700.00	7.37	74.33	81.70	105.20	-23.50	Peak	187	360	P
3	5720.00	7.34	77.15	84.49	110.80	-26.31	Peak	187	360	P
4	5725.00	7.33	76.27	83.60	122.20	-38.60	Peak	187	360	P
5	5775.00	7.35	104.26	111.61	200.00	-88.39	Average	187	360	P
6	5775.00	7.35	116.87	124.22	200.00	-75.78	Peak	187	360	P
7	5850.00	7.43	74.73	82.16	122.20	-40.04	Peak	187	360	P
8	5855.00	7.45	74.75	82.20	110.00	-28.60	Peak	187	360	P
9	5875.00	7.54	66.02	73.56	105.20	-31.64	Peak	187	360	P
10	5925.00	7.66	54.19	61.85	68.20	-6.35	Peak	187	360	P
11	11550.00	17.79	29.98	47.77	54.00	-6.23	Average	100	37	P
12	11550.00	17.79	41.76	59.55	74.00	-14.45	Peak	100	37	P
13	17325.00	24.20	42.64	66.84	68.20	-1.36	Peak	100	314	P

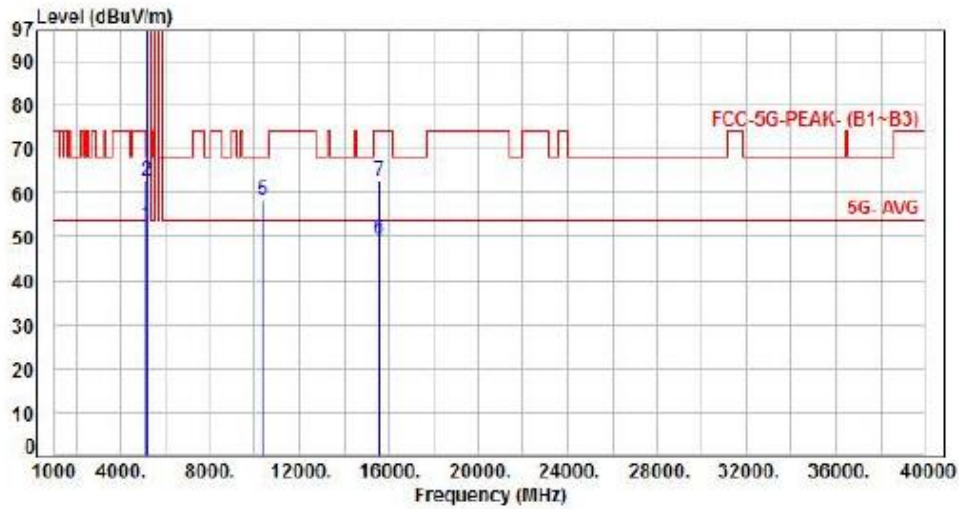
Note: Level=Reading+Factor  
Margin=Level-Limit  
Factor=Antenna Factor + cable loss - Amplifier Factor





BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 1, CH36		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.88	52.58	54.00	-1.42	Average	180	360	P
2	5150.00	6.70	55.88	62.58	74.00	-11.42	Peak	180	360	P
3	5180.00	6.85	104.56	111.41	200.00	-88.59	Average	180	360	P
4	5180.00	6.85	117.32	124.17	200.00	-75.83	Peak	180	360	P
5	10360.00	15.84	42.57	58.41	68.20	-9.79	Peak	100	254	P
6	15540.00	19.60	29.69	49.29	54.00	-4.71	Average	100	264	P
7	15540.00	19.60	42.99	62.59	74.00	-11.41	Peak	100	264	P

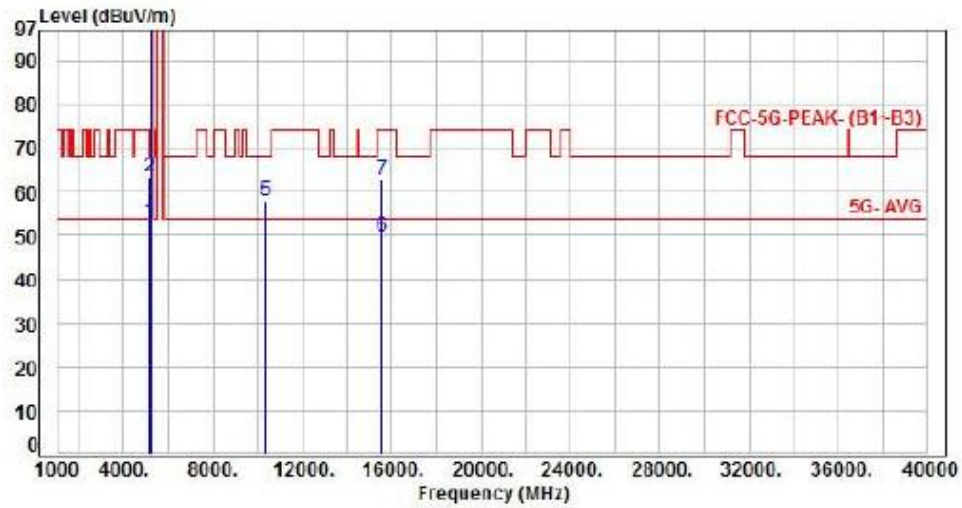
Note: Level=Reading+Factor  
 Margin=Level-Limit  
 Factor=Antenna Factor + cable loss - Amplifier Factor





BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 1, CH36		:



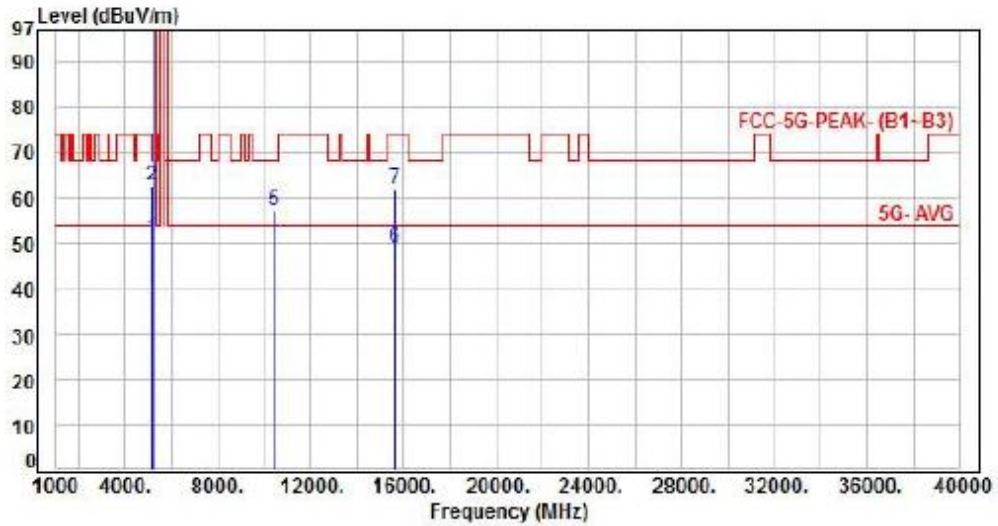
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	46.29	52.99	54.00	-1.01	Average	186	360	P
2	5150.00	6.70	56.56	63.26	74.00	-10.74	Peak	186	360	P
3	5180.00	6.85	106.09	112.94	200.00	-87.06	Average	186	360	P
4	5180.00	6.85	117.31	124.16	200.00	-75.84	Peak	186	360	P
5	10360.00	15.84	42.14	57.98	68.20	-10.22	Peak	100	297	P
6	15540.00	19.60	30.27	49.87	54.00	-4.13	Average	100	131	P
7	15540.00	19.60	43.04	62.64	74.00	-11.36	Peak	100	131	P

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



BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 1, CH40		



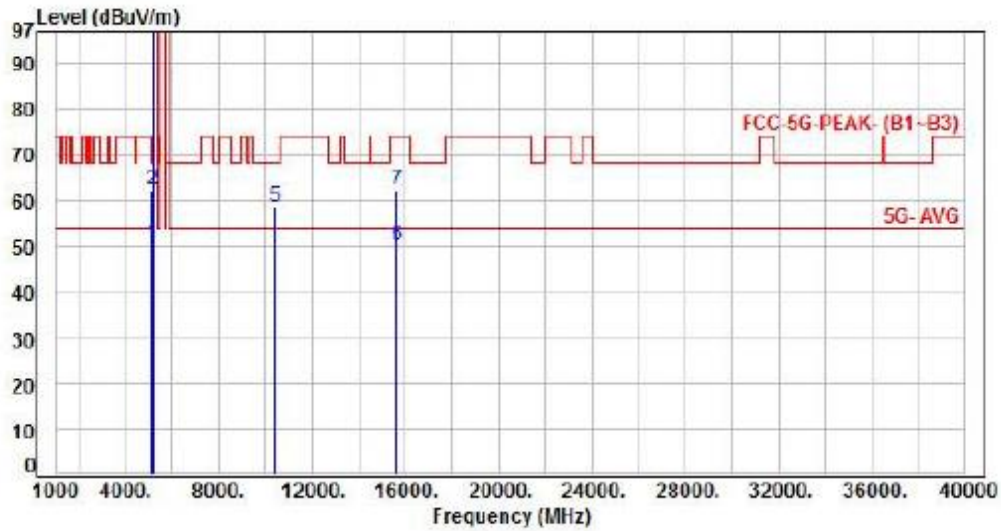
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	44.40	51.10	54.00	-2.90	Average	178	360	P
2	5150.00	6.70	56.01	62.71	74.00	-11.29	Peak	178	360	P
3	5200.00	6.95	108.09	115.04	200.00	-84.96	Average	178	360	P
4	5200.00	6.95	120.35	127.30	200.00	-72.70	Peak	178	360	P
5	10400.00	15.75	41.55	57.30	68.20	-10.90	Peak	100	219	P
6	15600.00	19.55	29.66	49.21	54.00	-4.79	Average	100	133	P
7	15600.00	19.55	42.36	61.91	74.00	-12.09	Peak	100	133	P

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



BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 1, CH40		



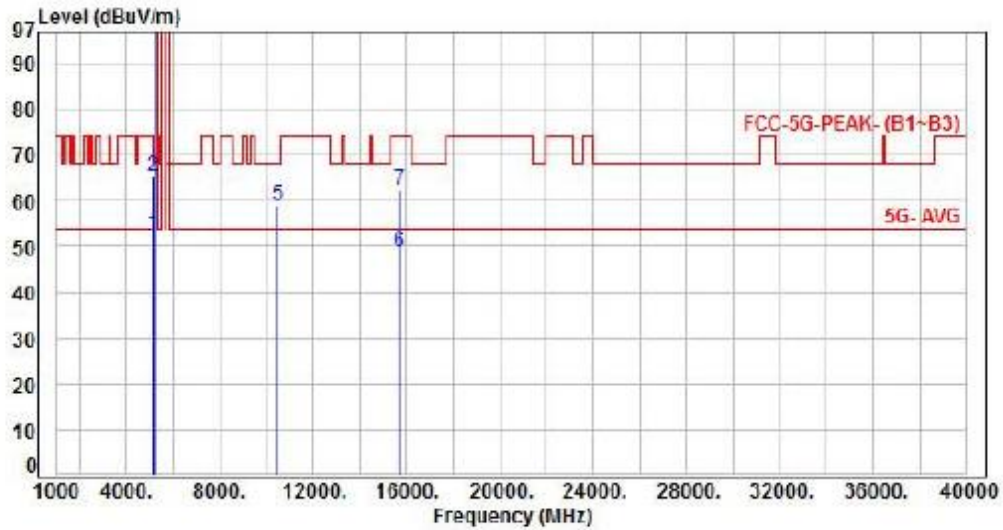
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	43.79	50.49	54.00	-3.51	Average	180	360	P
2	5150.00	6.70	55.48	62.18	74.00	-11.82	Peak	180	360	P
3	5200.00	6.95	109.19	116.14	200.00	-83.86	Average	180	360	P
4	5200.00	6.95	120.11	127.06	200.00	-72.94	Peak	180	360	P
5	10400.00	15.75	42.97	58.72	68.20	-9.48	Peak	100	267	P
6	15600.00	19.55	30.51	50.06	54.00	-3.94	Average	100	316	P
7	15600.00	19.55	42.77	62.32	74.00	-11.68	Peak	100	316	P

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



BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 1, CH48		:



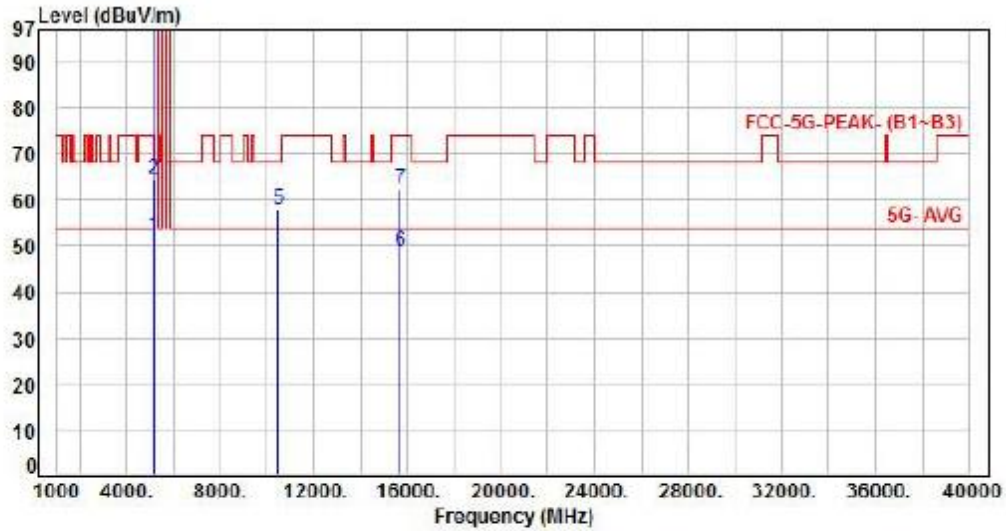
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	46.19	52.89	54.00	-1.11	Average	184	360	P
2	5150.00	6.70	58.51	65.21	74.00	-8.79	Peak	184	360	P
3	5240.00	7.00	111.59	118.59	200.00	-81.41	Average	184	360	P
4	5240.00	7.00	124.22	131.22	200.00	-68.78	Peak	184	360	P
5	10480.00	15.80	43.29	59.17	68.20	-9.03	Peak	100	355	P
6	15720.00	19.16	29.64	48.80	54.00	-5.20	Average	100	314	P
7	15720.00	19.16	43.19	62.35	74.00	-11.65	Peak	100	314	P

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



BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 1, CH48		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.20	51.90	54.00	-2.10	Average	185	360	P
2	5150.00	6.70	57.89	64.59	74.00	-9.41	Peak	185	360	P
3	5240.00	7.00	112.30	119.30	200.00	-80.70	Average	185	360	P
4	5240.00	7.00	123.81	130.81	200.00	-69.19	Peak	185	360	P
5	10480.00	15.88	41.87	57.75	68.20	-10.45	Peak	100	63	P
6	15720.00	19.16	29.69	48.85	54.00	-5.15	Average	100	234	P
7	15720.00	19.16	43.21	62.37	74.00	-11.63	Peak	100	234	P

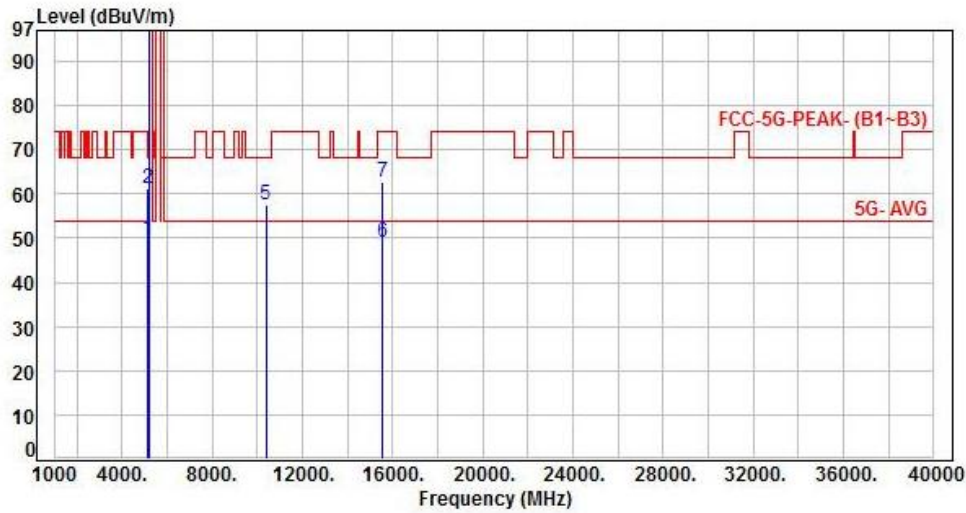
Note: Level=Reading+Factor  
Margin=Level-Limit  
Factor=Antenna Factor + cable loss - Amplifier Factor





BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, Band 1, CH38		:



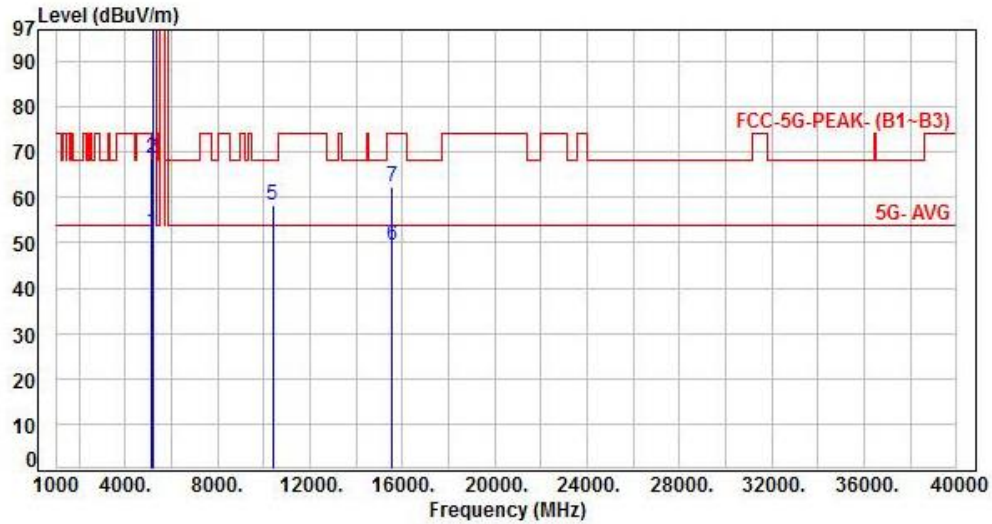
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	43.03	49.73	54.00	-4.27	Average	180	360	P
2	5150.00	6.70	54.52	61.22	74.00	-12.78	Peak	180	360	P
3	5190.00	6.90	99.63	106.53	200.00	-93.47	Average	180	360	P
4	5190.00	6.90	111.19	118.09	200.00	-81.91	Peak	180	360	P
5	10380.00	15.80	41.83	57.63	68.20	-10.57	Peak	100	243	P
6	15570.00	19.56	29.63	49.19	54.00	-4.81	Average	100	317	P
7	15570.00	19.56	43.28	62.84	74.00	-11.16	Peak	100	317	P

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



BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, Band 1, CH38		:



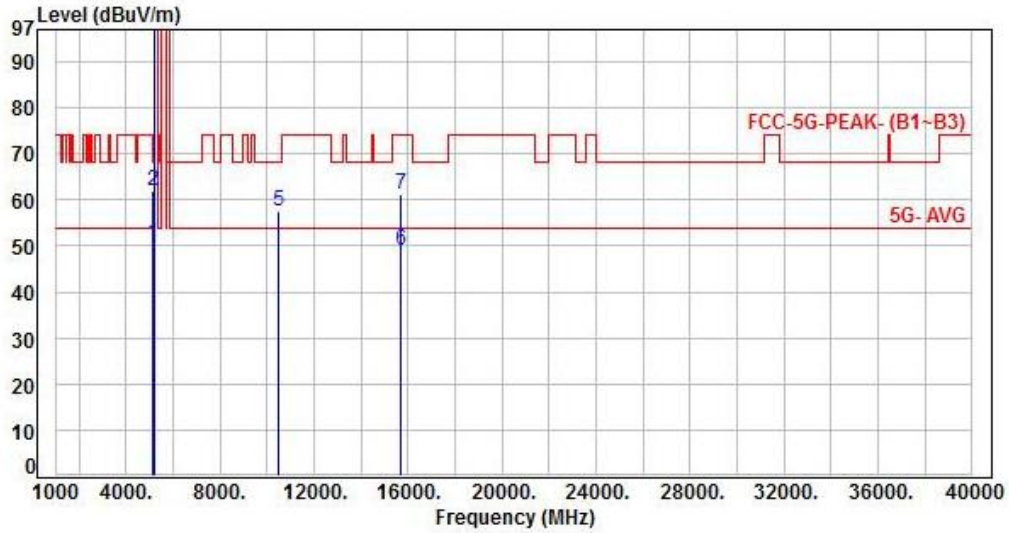
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.72	52.42	54.00	-1.58	Average	181	360	P
2	5150.00	6.70	61.75	68.45	74.00	-5.55	Peak	181	360	P
3	5190.00	6.90	100.79	107.69	200.00	-92.31	Average	181	360	P
4	5190.00	6.90	110.73	117.63	200.00	-82.37	Peak	181	360	P
5	10380.00	15.80	42.36	58.16	68.20	-10.04	Peak	100	266	P
6	15570.00	19.56	29.68	49.24	54.00	-4.76	Average	100	169	P
7	15570.00	19.56	42.60	62.16	74.00	-11.84	Peak	100	169	P

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



BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, Band 1, CH46		:



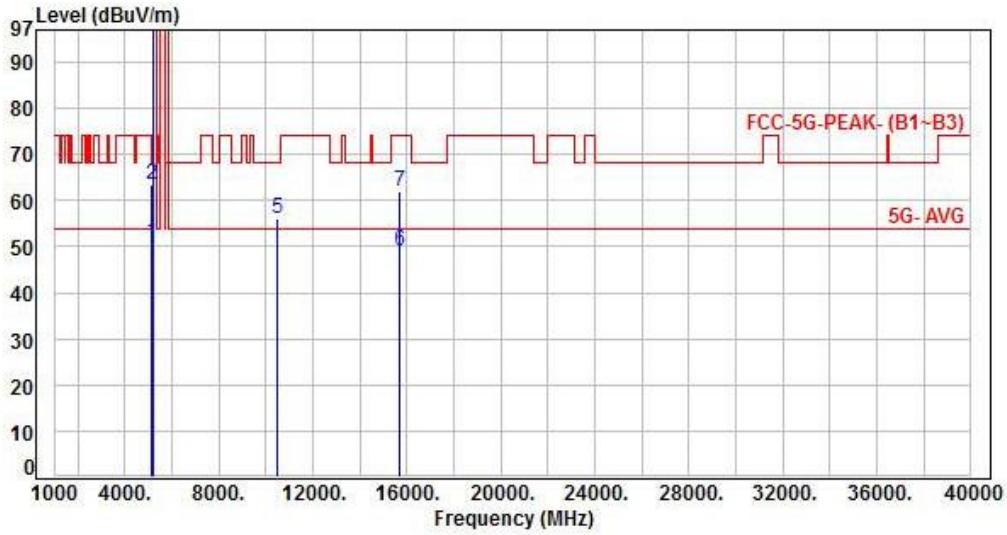
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	43.91	50.61	54.00	-3.39	Average	183	360	P
2	5150.00	6.70	55.14	61.84	74.00	-12.16	Peak	183	360	P
3	5230.00	6.99	107.26	114.25	200.00	-85.75	Average	183	360	P
4	5230.00	6.99	118.94	125.93	200.00	-74.07	Peak	183	360	P
5	10460.00	15.77	41.76	57.53	68.20	-10.67	Peak	100	145	P
6	15690.00	19.35	29.68	49.03	54.00	-4.97	Average	100	297	P
7	15690.00	19.35	41.92	61.27	74.00	-12.73	Peak	100	297	P

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



BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, Band 1, CH46		



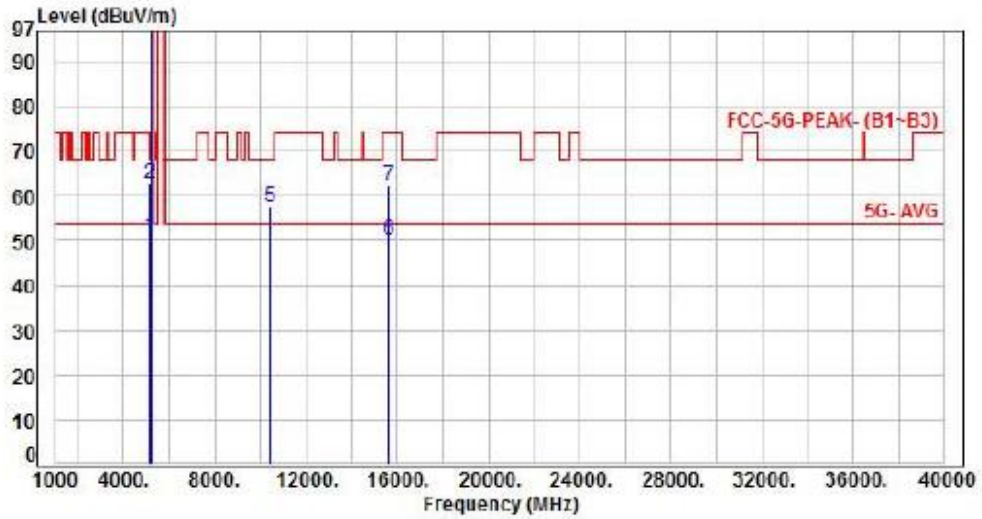
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	44.17	50.87	54.00	-3.13	Average	184	360	P
2	5150.00	6.70	56.71	63.41	74.00	-10.59	Peak	184	360	P
3	5230.00	6.99	109.16	116.15	200.00	-83.85	Average	184	360	P
4	5230.00	6.99	118.25	125.24	200.00	-74.76	Peak	184	360	P
5	10460.00	15.77	40.36	56.13	68.20	-12.07	Peak	100	244	P
6	15690.00	19.35	29.73	49.08	54.00	-4.92	Average	100	230	P
7	15690.00	19.35	42.59	61.94	74.00	-12.06	Peak	100	230	P

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



BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, Band 1, CH42		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	44.26	50.96	54.00	-3.04	Average	175	360	P
2	5150.00	6.70	56.01	62.71	74.00	-11.29	Peak	175	360	P
3	5210.00	6.97	101.10	108.07	200.00	-91.93	Average	175	360	P
4	5210.00	6.97	112.21	119.18	200.00	-80.82	Peak	175	360	P
5	10420.00	15.74	41.70	57.44	68.20	-10.76	Peak	100	221	P
6	15630.00	19.48	30.55	50.03	54.00	-3.97	Average	100	334	P
7	15630.00	19.48	42.68	62.16	74.00	-11.84	Peak	100	334	P

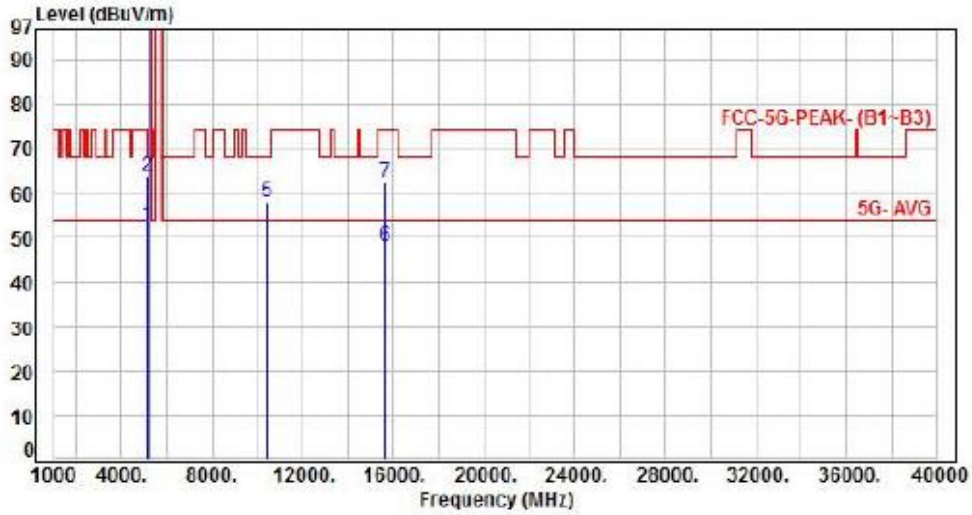
Note: Level=Reading+Factor  
Margin=Level-Limit  
Factor=Antenna Factor + cable loss - Amplifier Factor





BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, Band 1, CH42		:



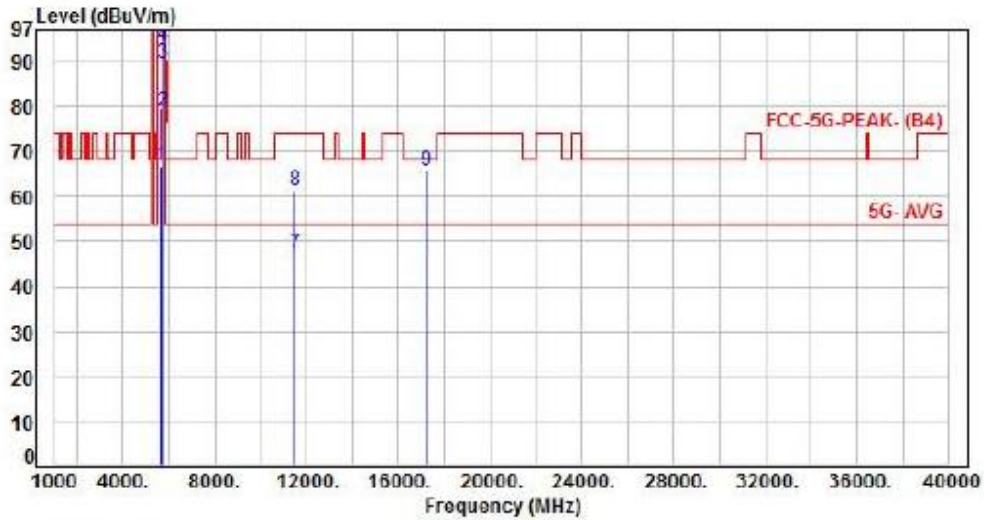
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.90	52.60	54.00	-1.40	Average	179	360	P
2	5150.00	6.70	57.05	63.75	74.00	-10.25	Peak	179	360	P
3	5210.00	6.97	103.20	110.17	200.00	-89.83	Average	179	360	P
4	5210.00	6.97	111.55	118.52	200.00	-81.48	Peak	179	360	P
5	10420.00	15.74	42.07	57.81	68.20	-10.39	Peak	100	263	P
6	15630.00	19.48	28.60	48.08	54.00	-5.92	Average	100	344	P
7	15630.00	19.48	42.97	62.45	74.00	-11.55	Peak	100	344	P

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



BeamForming-ALI22 Antenna

Power	: From PoE (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 4, CH149		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	7.35	59.45	66.80	68.20	-1.40	Peak	178	360	P
2	5700.00	7.37	71.61	78.98	105.20	-26.22	Peak	178	360	P
3	5720.00	7.34	82.42	89.76	110.80	-21.04	Peak	178	360	P
4	5725.00	7.33	86.37	93.70	122.20	-28.50	Peak	178	360	P
5	5745.00	7.30	111.88	119.18	200.00	-80.82	Average	178	360	P
6	5745.00	7.30	122.78	130.08	200.00	-69.92	Peak	178	360	P
7	11490.00	17.63	29.67	47.30	54.00	-6.70	Average	100	211	P
8	11490.00	17.63	43.43	61.06	74.00	-12.94	Peak	100	211	P
9	17235.00	23.62	41.89	65.51	68.20	-2.69	Peak	100	158	P

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