

802.11n HT40_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	10	5.31	3.397	23.98	PASS
46	5230	MCS0	10	5.22	3.327	23.98	PASS
54	5270	MCS0	10	5.31	3.397	23.68	PASS
62	5310	MCS0	10	4.99	3.155	23.68	PASS
151	5755	MCS0	12	3.63	2.307	30	PASS
159	5795	MCS0	12	3.92	2.466	30	PASS

802.11n HT40_Ch1

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	10	7.97	6.267	23.98	PASS
46	5230	MCS0	10	8.04	6.369	23.98	PASS
54	5270	MCS0	10	8.19	6.592	23.98	PASS
62	5310	MCS0	10	8.20	6.608	23.98	PASS
151	5755	MCS0	7	4.68	2.938	30	PASS
159	5795	MCS0	7	4.61	2.891	30	PASS

802.11n HT40_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
38	5190	MCS8	11	5.18	8.15	10.38	10.914	22.32	PASS
46	5230	MCS8	11	5.2	8.28	10.48	11.169	22.32	PASS
54	5270	MCS8	11	4.93	8.2	10.34	10.814	21.3	PASS
62	5310	MCS8	11	4.78	8.25	10.32	10.765	21.3	PASS
151	5755	MCS8	8	-1.36	4.83	6.23	4.198	28.61	PASS
159	5795	MCS8	8	-0.78	4.67	6.22	4.188	28.61	PASS

802.11ac VHT20_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	10	5.10	3.235	23.98	PASS
44	5220	MCS0	10	4.95	3.125	23.98	PASS
48	5240	MCS0	10	4.93	3.111	23.98	PASS
52	5260	MCS0	10	4.84	3.047	23.68	PASS
60	5300	MCS0	11	4.94	3.118	23.68	PASS
64	5320	MCS0	11	4.60	2.883	23.68	PASS
149	5745	MCS0	13	3.85	2.426	30	PASS
157	5785	MCS0	12	3.58	2.280	30	PASS
165	5825	MCS0	12	3.86	2.431	30	PASS

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802.11ac_VHT20_Ch1

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	11	8.18	6.575	23.98	PASS
44	5220	MCS0	11	7.84	6.080	23.98	PASS
48	5240	MCS0	10	7.78	5.996	23.98	PASS
52	5260	MCS0	10	7.76	5.969	23.87	PASS
60	5300	MCS0	10	7.93	6.207	23.87	PASS
64	5320	MCS0	10	7.84	6.080	23.86	PASS
149	5745	MCS0	8	4.82	3.033	30	PASS
157	5785	MCS0	8	4.85	3.054	30	PASS
165	5825	MCS0	8	4.86	3.061	30	PASS

802.11ac_VHT20_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	MCS0	11	5.14	8.02	10.15	10.351	22.32	PASS
44	5220	MCS0	11	5.18	8.01	10.16	10.375	22.32	PASS
48	5240	MCS0	11	5.15	8.15	10.24	10.568	22.32	PASS
52	5260	MCS0	11	5	8.24	10.25	10.593	21.3	PASS
60	5300	MCS0	11	4.64	8.23	10.13	10.304	21.3	PASS
64	5320	MCS0	11	4.63	8.21	10.12	10.280	21.3	PASS
149	5745	MCS0	8	-1.71	4.7	5.92	3.908	28.61	PASS
157	5785	MCS0	8	-0.99	4.69	6.06	4.036	28.61	PASS
165	5825	MCS0	9	-0.5	4.91	6.34	4.305	28.61	PASS

802.11ac_VHT40_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	10	5.28	3.372	23.98	PASS
46	5230	MCS0	10	5.20	3.310	23.98	PASS
54	5270	MCS0	10	5.29	3.380	23.68	PASS
62	5310	MCS0	10	4.96	3.132	23.68	PASS
151	5755	MCS0	12	3.61	2.295	30	PASS
159	5795	MCS0	12	3.90	2.454	30	PASS

802.11ac_VHT40_Ch1

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	10	7.94	6.221	23.98	PASS
46	5230	MCS0	10	8.02	6.337	23.98	PASS
54	5270	MCS0	10	8.17	6.559	23.98	PASS
62	5310	MCS0	10	8.19	6.590	23.98	PASS
151	5755	MCS0	7	4.66	2.923	30	PASS
159	5795	MCS0	7	4.60	2.883	30	PASS

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802.11ac_VHT40_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
38	5190	MCS0	11	5.15	8.13	10.36	10.864	22.32	PASS
46	5230	MCS0	11	5.15	8.25	10.44	11.066	22.32	PASS
54	5270	MCS0	11	4.91	8.16	10.30	10.715	21.3	PASS
62	5310	MCS0	11	4.71	8.23	10.29	10.691	21.3	PASS
151	5755	MCS0	8	-1.4	4.81	6.20	4.169	28.61	PASS
159	5795	MCS0	8	-0.85	4.65	6.19	4.159	28.61	PASS

802.11ac_VHT80_Ch0

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	MCS0	10	5.10	3.239	23.98	PASS
58	5290	MCS0	10	4.82	3.037	23.68	PASS
155	5775	MCS0	12	3.74	2.368	30	PASS

802.11ac_VHT80_Ch1

CH	Frequency (MHz)	Data Rate	Power set	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	MCS0	11	8.24	6.674	23.98	PASS
58	5290	MCS0	10	8.04	6.373	23.98	PASS
155	5775	MCS0	8	4.97	3.143	30	PASS

802.11ac_VHT80_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
42	5210	MCS0	12	5.16	8.24	10.87	12.218	22.32	PASS
58	5290	MCS0	12	4.87	8.21	10.76	11.912	21.3	PASS
155	5775	MCS0	9	1.87	4.95	7.58	5.728	28.61	PASS

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9.5.2 ISD Conducted output power and EIRP

802.11a_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	4.90	3.088	23.11	PASS
60	5300	5.20	3.309	23.11	PASS
64	5320	4.85	3.053	23.11	PASS
149	5745	3.92	2.464	30	PASS
157	5785	3.75	2.370	30	PASS
165	5825	4.00	2.510	30	PASS

802.11a_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	7.90	6.162	23.11	PASS
60	5300	8.04	6.364	23.11	PASS
64	5320	8.00	6.306	23.11	PASS
149	5745	4.96	3.131	30	PASS
157	5785	4.97	3.139	30	PASS
165	5825	4.91	3.095	30	PASS

802.11a_2Tx

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		Ch0	Ch1				
52	5260	5.18	8.26	10.22	10.520	23.11	PASS
60	5300	5.06	8.19	10.13	10.304	23.11	PASS
64	5320	4.65	8.22	10.02	10.046	23.11	PASS
149	5745	-1.19	4.93	6.10	4.074	28.61	PASS
157	5785	-0.6	4.95	6.23	4.198	28.61	PASS
165	5825	-0.2	4.94	6.32	4.285	28.61	PASS

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802.11n_HT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	4.89	3.082	23.4	PASS
60	5300	4.99	3.153	23.4	PASS
64	5320	4.66	2.923	23.4	PASS
149	5745	3.93	2.470	30	PASS
157	5785	3.66	2.322	30	PASS
165	5825	3.92	2.465	30	PASS

802.11n_HT20_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	7.81	6.036	23.41	PASS
60	5300	7.98	6.277	23.41	PASS
64	5320	7.92	6.191	23.4	PASS
149	5745	4.88	3.075	30	PASS
157	5785	4.91	3.096	30	PASS
165	5825	4.92	3.103	30	PASS

802.11n_HT20_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		Ch0	Ch1				
52	5260	5.01	8.27	10.32	10.765	23.4	PASS
60	5300	4.66	8.25	10.19	10.447	23.4	PASS
64	5320	4.67	8.23	10.18	10.423	23.4	PASS
149	5745	-1.64	4.72	5.99	3.972	28.61	PASS
157	5785	-0.95	4.7	6.11	4.083	28.61	PASS
165	5825	-0.41	4.93	6.41	4.375	28.61	PASS

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802.11n_HT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	5.31	3.397	23.98	PASS
62	5310	4.99	3.155	23.98	PASS
151	5755	3.63	2.307	30	PASS
159	5795	3.92	2.466	30	PASS

802.11n_HT40_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	8.19	6.592	23.98	PASS
62	5310	8.20	6.608	23.98	PASS
151	5755	4.68	2.938	30	PASS
159	5795	4.61	2.891	30	PASS

802.11n_HT40_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		Ch0	Ch1				
54	5270	4.93	8.2	10.34	10.814	23.98	PASS
62	5310	4.78	8.25	10.32	10.765	23.98	PASS
151	5755	-1.36	4.83	6.23	4.198	28.61	PASS
159	5795	-0.78	4.67	6.22	4.188	28.61	PASS

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802.11ac_VHT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	4.84	3.047	23.4	PASS
60	5300	4.94	3.118	23.4	PASS
64	5320	4.60	2.883	23.4	PASS
149	5745	3.85	2.426	30	PASS
157	5785	3.58	2.280	30	PASS
165	5825	3.86	2.431	30	PASS

802.11ac_VHT20_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	7.76	5.969	23.41	PASS
60	5300	7.93	6.207	23.41	PASS
64	5320	7.84	6.080	23.4	PASS
149	5745	4.82	3.033	30	PASS
157	5785	4.85	3.054	30	PASS
165	5825	4.86	3.061	30	PASS

802.11ac_VHT20_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		Ch0	Ch1				
52	5260	5	8.24	10.25	10.593	23.4	PASS
60	5300	4.64	8.23	10.13	10.304	23.4	PASS
64	5320	4.63	8.21	10.12	10.280	23.4	PASS
149	5745	-1.71	4.7	5.92	3.908	28.61	PASS
157	5785	-0.99	4.69	6.06	4.036	28.61	PASS
165	5825	-0.5	4.91	6.34	4.305	28.61	PASS

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802.11ac_VHT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	5.29	3.380	23.98	PASS
62	5310	4.96	3.132	23.98	PASS
151	5755	3.61	2.295	30	PASS
159	5795	3.90	2.454	30	PASS

802.11ac_VHT40_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	8.17	6.559	23.98	PASS
62	5310	8.19	6.590	23.98	PASS
151	5755	4.66	2.923	30	PASS
159	5795	4.60	2.883	30	PASS

802.11ac_VHT40_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		Ch0	Ch1				
54	5270	4.91	8.16	10.30	10.715	23.98	PASS
62	5310	4.71	8.23	10.29	10.691	23.98	PASS
151	5755	-1.4	4.81	6.20	4.169	28.61	PASS
159	5795	-0.85	4.65	6.19	4.159	28.61	PASS

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802.11ac_VHT80_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
58	5290	4.82	3.037	23.98	PASS
155	5775	3.74	2.368	30	PASS

802.11ac_VHT80_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
58	5290	8.04	6.373	23.98	PASS
155	5775	4.97	3.143	30	PASS

802.11ac_VHT80_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		Ch0	Ch1				
58	5290	4.87	8.21	10.76	11.912	23.98	PASS
155	5775	1.87	4.95	7.58	5.728	28.61	PASS

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802.11a_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	5.15	4.60	9.75	9.441	22.11	PASS
44	5220	5.06	4.60	9.66	9.247	22.11	PASS
48	5240	5.10	4.60	9.70	9.333	22.11	PASS
52	5260	4.90	6.30	11.20	13.183	29.11	PASS
60	5300	5.20	6.30	11.50	14.125	29.11	PASS
64	5320	4.85	6.30	11.15	13.032	29.11	PASS

802.11a_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	8.25	4.700	12.95	19.724	23.01	PASS
44	5220	7.93	4.700	12.63	18.323	23.01	PASS
48	5240	7.88	4.700	12.58	18.113	23.01	PASS
52	5260	7.90	5.000	12.90	19.498	30	PASS
60	5300	8.04	5.000	13.04	20.137	30	PASS
64	5320	8.00	5.000	13.00	19.953	30	PASS

802.11a_2TX

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	10.23	7.66	17.89	61.518	22.11	PASS
44	5220	10.19	7.66	17.85	60.954	22.11	PASS
48	5240	10.19	7.66	17.85	60.954	22.11	PASS
52	5260	10.22	8.68	18.90	77.625	30	PASS
60	5300	10.13	8.68	18.81	76.033	30	PASS
64	5320	10.02	8.68	18.70	74.131	30	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	5.17	4.60	9.77	9.484	22.4	PASS
44	5220	5.01	4.60	9.61	9.141	22.41	PASS
48	5240	4.99	4.60	9.59	9.099	22.41	PASS
52	5260	4.89	6.30	11.19	13.152	29.4	PASS
60	5300	4.99	6.30	11.29	13.459	29.4	PASS
64	5320	4.66	6.30	10.96	12.474	29.4	PASS

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802.11n_HT20_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	8.24	4.700	12.94	19.679	23.01	PASS
44	5220	7.90	4.700	12.60	18.197	23.01	PASS
48	5240	7.84	4.700	12.54	17.947	23.01	PASS
52	5260	7.81	5.000	12.81	19.099	30	PASS
60	5300	7.98	5.000	12.98	19.861	30	PASS
64	5320	7.92	5.000	12.92	19.588	30	PASS

802.11n_HT20_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	10.25	7.66	17.91	61.802	22.4	PASS
44	5220	10.22	7.66	17.88	61.376	22.41	PASS
48	5240	10.31	7.66	17.97	62.661	22.41	PASS
52	5260	10.32	8.68	19.00	79.433	29.4	PASS
60	5300	10.19	8.68	18.87	77.090	29.4	PASS
64	5320	10.18	8.68	18.86	76.913	29.4	PASS

802.11n_HT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	5.31	4.60	9.91	9.795	23.01	PASS
46	5230	5.22	4.60	9.82	9.594	23.01	PASS
54	5270	5.31	6.30	11.61	14.488	30	PASS
62	5310	4.99	6.30	11.29	13.459	30	PASS

802.11n_HT40_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	7.97	4.700	12.67	18.493	23.01	PASS
46	5230	8.04	4.700	12.74	18.793	23.01	PASS
54	5270	8.19	5.000	13.19	20.845	30	PASS
62	5310	8.20	5.000	13.20	20.893	30	PASS

802.11n_HT40_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	10.38	7.66	18.04	63.680	23.01	PASS
46	5230	10.48	7.66	18.14	65.163	23.01	PASS
54	5270	10.34	8.68	19.02	79.799	30	PASS
62	5310	10.32	8.68	19.00	79.433	30	PASS

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802.11ac_VHT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	5.10	4.60	9.70	9.333	22.4	PASS
44	5220	4.95	4.60	9.55	9.016	22.41	PASS
48	5240	4.93	4.60	9.53	8.974	22.41	PASS
52	5260	4.84	6.30	11.14	13.002	29.4	PASS
60	5300	4.94	6.30	11.24	13.305	29.4	PASS
64	5320	4.60	6.30	10.90	12.303	29.4	PASS

802.11ac_VHT20_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	8.18	4.700	12.88	19.409	23.01	PASS
44	5220	7.84	4.700	12.54	17.947	23.01	PASS
48	5240	7.78	4.700	12.48	17.701	23.01	PASS
52	5260	7.76	5.000	12.76	18.880	30	PASS
60	5300	7.93	5.000	12.93	19.634	30	PASS
64	5320	7.84	5.000	12.84	19.231	30	PASS

802.11ac_VHT20_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	10.15	7.66	17.81	60.395	22.4	PASS
44	5220	10.16	7.66	17.82	60.534	22.41	PASS
48	5240	10.24	7.66	17.90	61.660	22.41	PASS
52	5260	10.25	8.68	18.93	78.163	29.4	PASS
60	5300	10.13	8.68	18.81	76.033	29.4	PASS
64	5320	10.12	8.68	18.80	75.858	29.4	PASS

802.11ac_VHT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	5.28	4.60	9.88	9.727	23.01	PASS
46	5230	5.20	4.60	9.80	9.550	23.01	PASS
54	5270	5.29	6.30	11.59	14.421	30	PASS
62	5310	4.96	6.30	11.26	13.366	30	PASS

802.11ac_VHT40_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	7.94	4.700	12.64	18.365	23.01	PASS
46	5230	8.02	4.700	12.72	18.707	23.01	PASS
54	5270	8.17	5.000	13.17	20.749	30	PASS
62	5310	8.19	5.000	13.19	20.845	30	PASS

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802.11ac_VHT40_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	10.36	7.66	18.02	63.387	23.01	PASS
46	5230	10.44	7.66	18.10	64.565	23.01	PASS
54	5270	10.30	8.68	18.98	79.068	30	PASS
62	5310	10.29	8.68	18.97	78.886	30	PASS

802.11ac_VHT80_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	5.10	4.60	9.70	9.333	23.01	PASS
58	5290	4.82	6.30	11.12	12.942	30	PASS

802.11ac_VHT80_Ch1

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	8.24	4.700	12.94	19.679	23.01	PASS
58	5290	8.04	5.000	13.04	20.137	30	PASS

802.11ac_VHT80_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	10.87	7.66	18.53	71.285	23.01	PASS
58	5290	10.76	8.68	19.44	87.902	30	PASS

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10 MAXIMUM POWER SPECTRAL DENSITY

10.1 Standard Applicable

Operation Bands	EUT CATEGORY		e-CRF Title 47 §15.407 Power Spectral Density	Antenna Directional Gain Requirements
U-NII-1		Outdoor Access Point (Master)	1. 17dBm/ MHz 2. EIRP<=125mW(21dBm) at any elevation angle > 30°	6dBi
		Indoor Access Point (Master)	17dBm / MHz	6dBi
		Fixed point-to-point Access Point	17dBm / MHz	23dBi
	V	Client device	11dBm / MHz	6dBi
U-NII-2A	V	All	11dBm / MHz	6dBi
U-NII-2C		All	11dBm / MHz	6dBi
U-NII-3	V	All	30dBm / 500kHz	6dBi
U-NII-4		Indoor AP	20dBm / MHz e.i.r.p.	Not required
		indoor client	14dBm / MHz e.i.r.p.	Not required
		subordinate device	20dBm / MHz e.i.r.p.	Not required
If transmitting antennas of directional gain greater than the antenna requirements column, the Maximum transmit power shall be reduced by the amount in dB that the direction-al gain of the antenna.				

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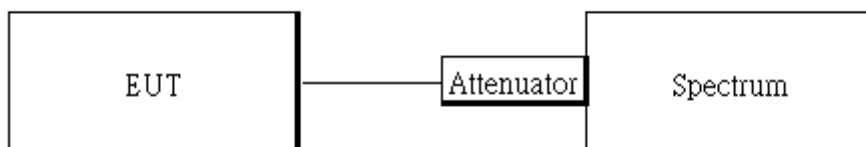
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FREQUENCY BAND (MHz)	EUT CATEGORY		RSS-247 §6.2.1~6.2.4	
			EIRP Density	Power Density
5150~5250		OEM devices installed in vehicles	N/A	N/A
	V	Other device	10 dBm/MHz	N/A
5250~5350		OEM devices installed in vehicles	N/A	N/A
	V	Other device	N/A	11 dBm/MHz
5725~5850	V	All	N/A	30 dBm/500kHz

For equipment operating in the band 5725-5850 MHz, If transmitting antennas of directional gain greater than 6 dBi are used, the Maximum transmit power shall be reduced by the amount in dB that the

10.2 Test Setup



10.3 Measurement Procedure

- Place the EUT on the table and set it in transmitting mode.
- The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
- Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to Spectrum.
- For U-NII1, U-NII-2A, U-NII-2C Band:**
Set RBW=1MHz, VBW=3MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto (1001 pts), Detector = power averaging (rms), if available. Otherwise, use sample detector mode, traces 100 sweeps of video averaging. (SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)
- For U-NII-3 Band:**
Set RBW=300kHz, VBW=1MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto, detector = RMS or sample, traces 100 sweeps of video averaging.
In addition, measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10 log (500 kHz/RBW) to the measured result.
- Use the cursor on spectrum to peak search the highest level of trace
- Record the max. reading and add 10 log(1/duty cycle).

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7. Repeat above procedures until all default test channel (low, middle, and high) was complete.
8. MIMO mode: offset is set with “measure and add 10 Log (N)” to measurement for MIMO mode. Offset = cable loss + 10 log (N), where N is number of transmitting antenna, cable loss is specified below.

Note: For the test of PSD at MIMO mode, the highest emission of worst case employing Measure and add 10 log (N) technical is reported after the comparison between Main Antenna at single transmitting mode and Aux that yields the higher value. The MIMO transmitting mode produces higher value of outcome.

Note:

As per section F. 2). e). (ii) of FCC KDB 662911 D01

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following formulas.

$$\bullet \quad DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

$g_{j,k}$ = / 20 10Gk if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

The antenna gain is greater than 6 dBi in MIMO mode, therefore the the power density limit attenuation has been applied in the test results.

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10.4 Measurement Result

POWER DENSITY 802.11a MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	-3.66	-1.00	0.22	1.10		9.34 dBm/MHz	-8.24
5220	-4.38	-1.06	0.22	0.82		9.34 dBm/MHz	-8.52
5240	-3.61	-1.24	0.22	0.97		9.34 dBm/MHz	-8.37
5260	-4.34	-1.67	0.22	0.43		8.32 dBm/MHz	-7.89
5300	-4.54	-2.07	0.22	0.10		8.32 dBm/MHz	-8.22
5320	-5.61	-2.28	0.22	-0.40		8.32 dBm/MHz	-8.72
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5745	-17.16	-10.44	0.22	2.22	-7.16	28.61 dBm/500kHz	-35.77
5785	-16.38	-10.17	0.22	2.22	-6.80	28.61 dBm/500kHz	-35.41
5825	-16.07	-11.34	0.22	2.22	-7.64	28.61 dBm/500kHz	-36.25
POWER DENSITY 802.11n HT20 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	-4.15	-1.89	0.37	0.51		9.34 dBm/MHz	-8.83
5220	-4.86	-1.83	0.37	0.30		9.34 dBm/MHz	-9.04
5240	-4.62	-1.85	0.37	0.36		9.34 dBm/MHz	-8.98
5260	-4.92	-1.81	0.37	0.29		8.32 dBm/MHz	-8.03
5300	-5.04	-2.57	0.37	-0.25		8.32 dBm/MHz	-8.57
5320	-6.07	-2.58	0.37	-0.60		8.32 dBm/MHz	-8.92
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5745	-17.76	-11.19	0.37	2.22	-7.74	28.61 dBm/500kHz	-36.35
5785	-17.07	-11.26	0.37	2.22	-7.66	28.61 dBm/500kHz	-36.27
5825	-14.64	-10.54	0.37	2.22	-6.52	28.61 dBm/500kHz	-35.13
POWER DENSITY 802.11n HT40 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	-6.50	-4.17	0.46	-1.71		9.34 dBm/MHz	-11.05
5230	-6.85	-4.50	0.46	-2.05		9.34 dBm/MHz	-11.39
5270	-7.62	-5.12	0.46	-2.72		8.32 dBm/MHz	-11.04
5310	-8.65	-5.48	0.46	-3.31		8.32 dBm/MHz	-11.63
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5755	-21.08	-13.72	0.46	2.22	-10.31	28.61 dBm/500kHz	-38.92
5795	-19.19	-14.04	0.46	2.22	-10.20	28.61 dBm/500kHz	-38.81

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POWER DENSITY 802.11ac VHT80 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5210	-10.09	-7.73	0.89	-4.85		9.34 dBm/MHz	-14.19
5290	-10.78	-8.14	0.89	-5.36		8.32 dBm/MHz	-13.68
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5775	-22.18	-16.12	0.89	2.22	-12.05	28.61 dBm/500kHz	-40.66

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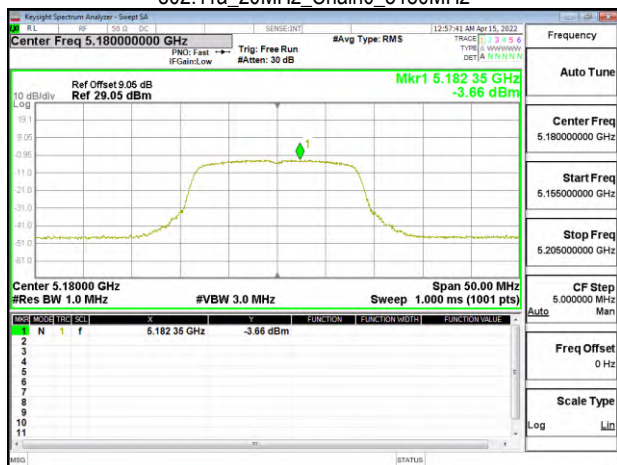
EIRP spectral density 802.11a MODE					
Freq. (MHz)	PSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5180	1.10	7.66	8.76	10	-1.24
5220	0.82	7.66	8.48	10	-1.52
5240	0.97	7.66	8.63	10	-1.37
EIRP spectral density 802.11n HT20 MODE					
Freq. (MHz)	PSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5180	0.51	7.66	8.17	10	-1.83
5220	0.30	7.66	7.96	10	-2.04
5240	0.36	7.66	8.02	10	-1.98
EIRP spectral density 802.11n HT40 MODE					
Freq. (MHz)	PSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5190	-1.71	7.66	5.95	10	-4.05
5230	-2.05	7.66	5.61	10	-4.39
EIRP spectral density 802.11ac VHT80 MODE					
Freq. (MHz)	PSD (dBm)	Ant. Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)	Margin (dB)
5210	-4.85	7.66	2.81	10	-7.19

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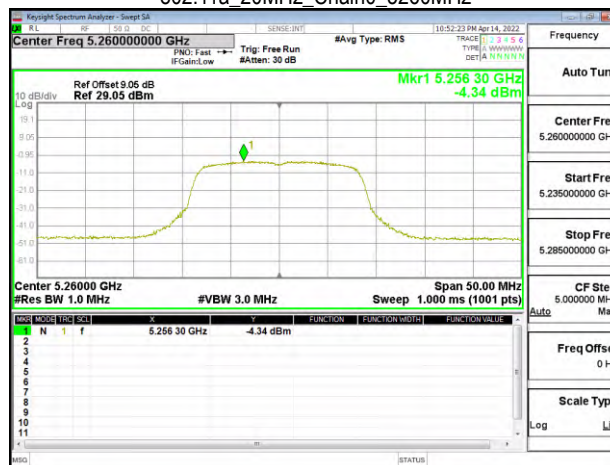
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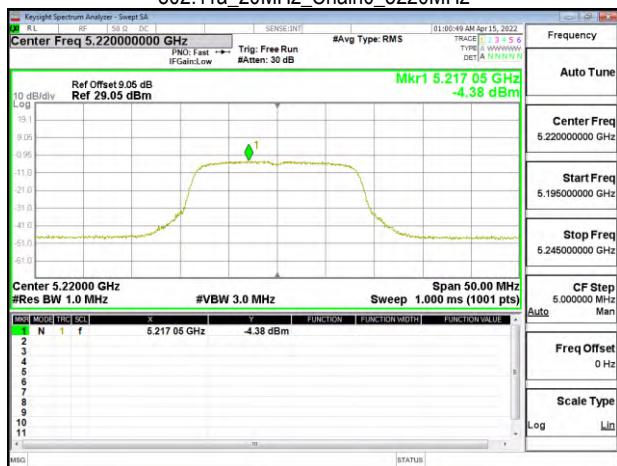
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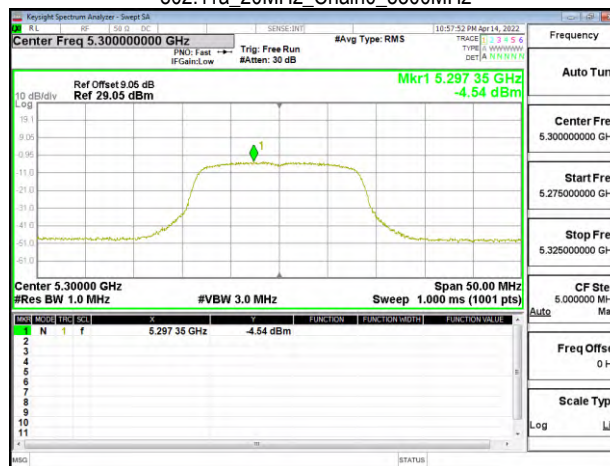
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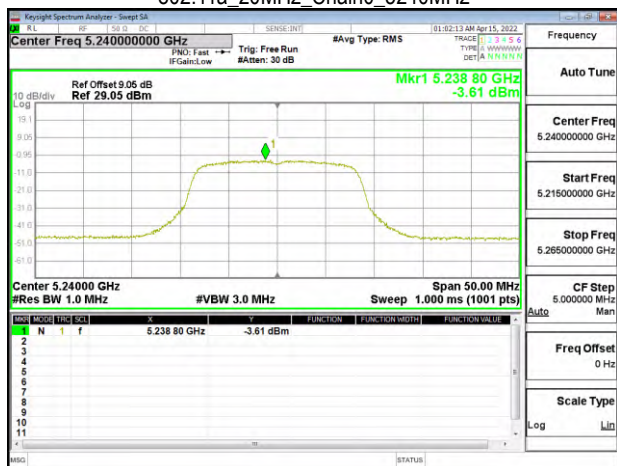
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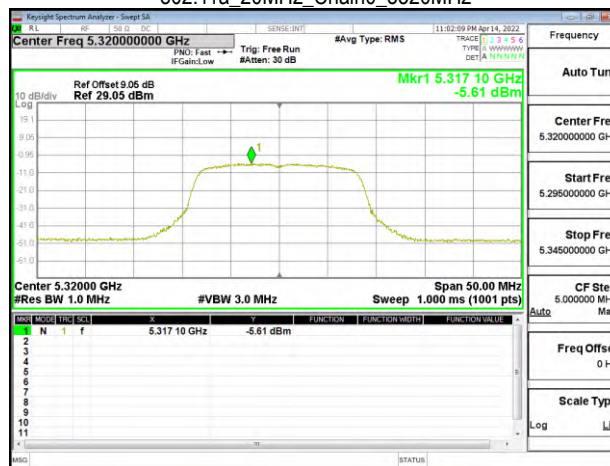
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802.11a_20MHz_Chain0_5240MHz



802.11a_20MHz_Chain0_5320MHz

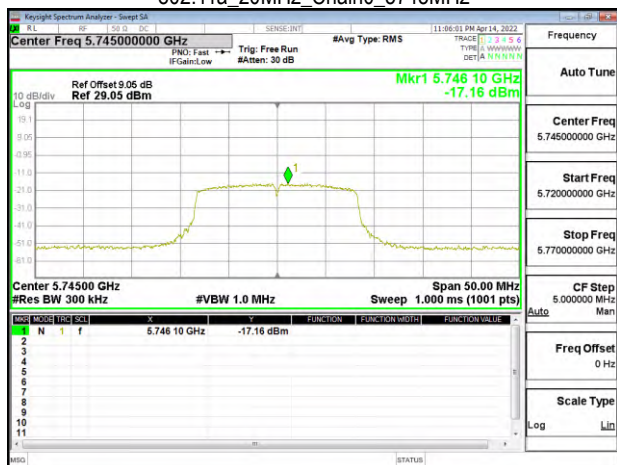


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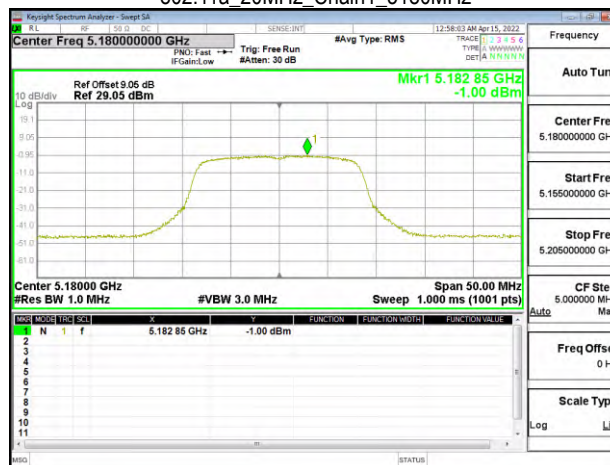
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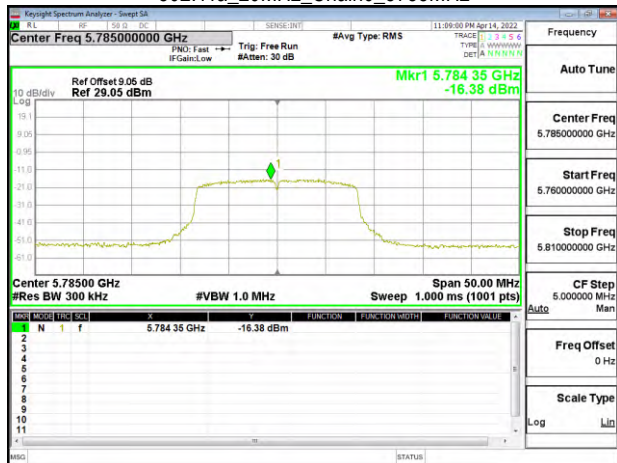
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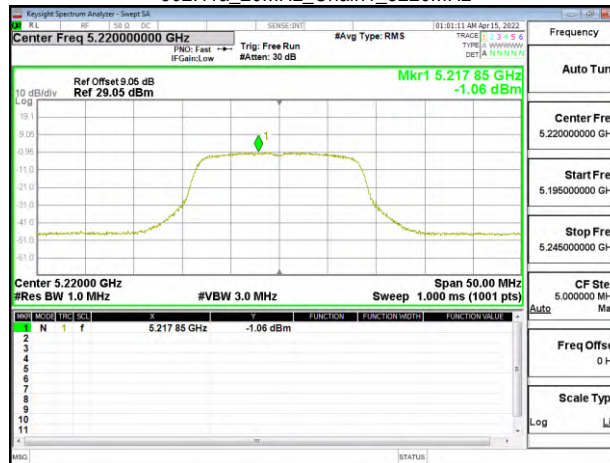
802.11a_20MHz_Chain1_5180MHz



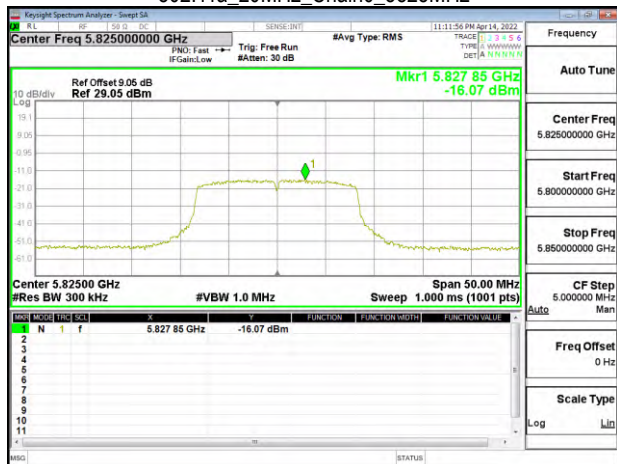
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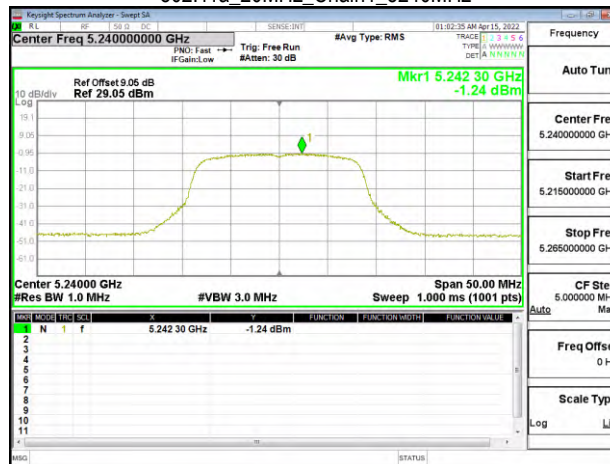
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802.11a_20MHz_Chain0_5825MHz



802.11a_20MHz_Chain1_5240MHz

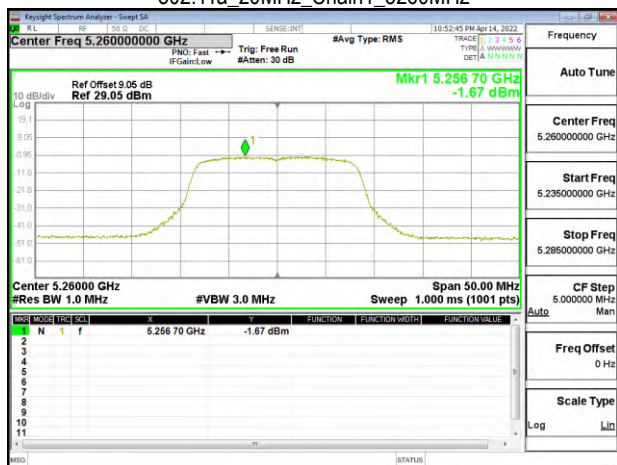


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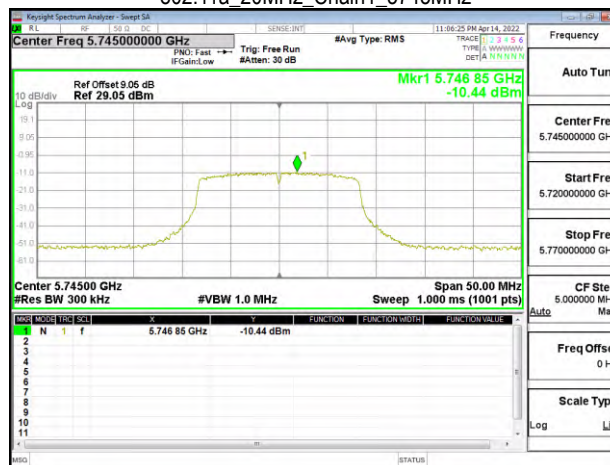
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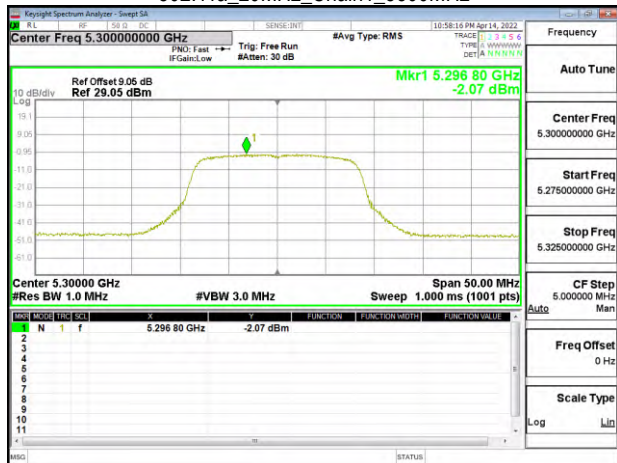
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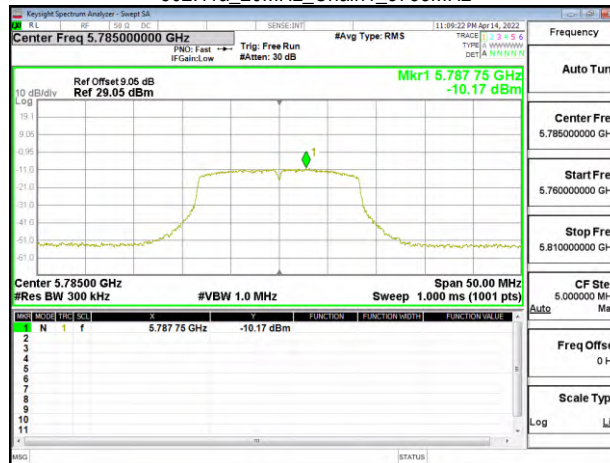
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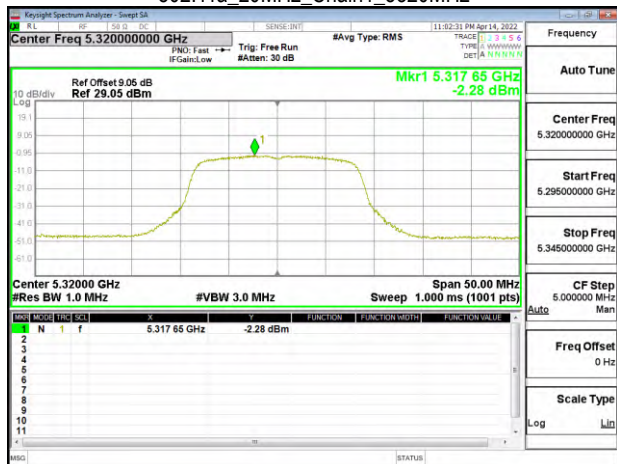
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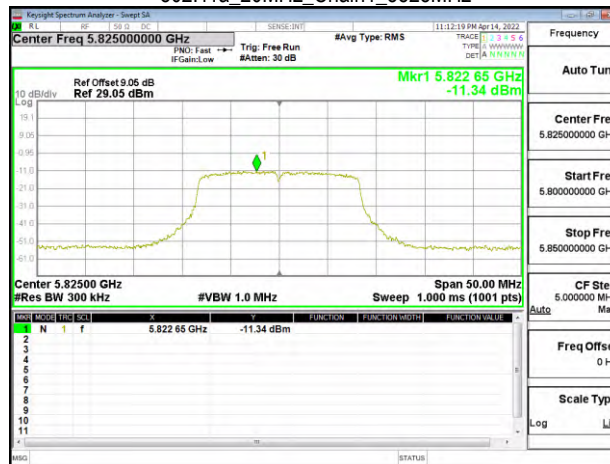
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802.11a_20MHz_Chain1_5320MHz



802.11a_20MHz_Chain1_5825MHz

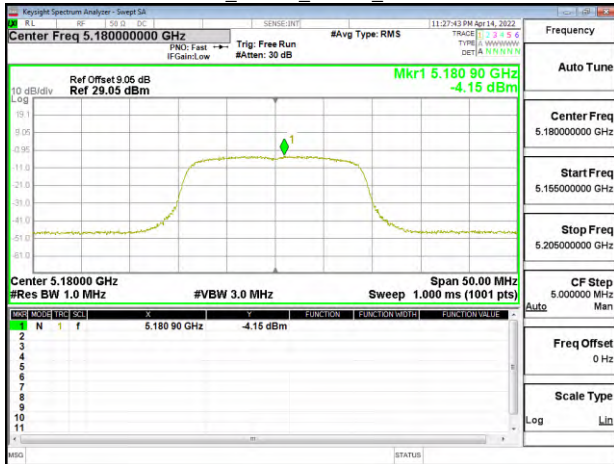


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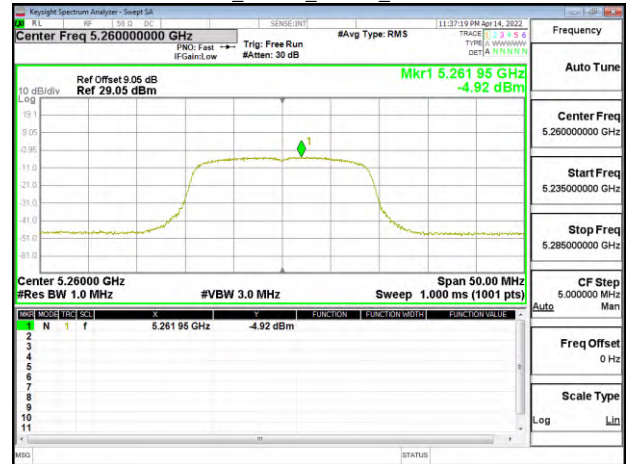
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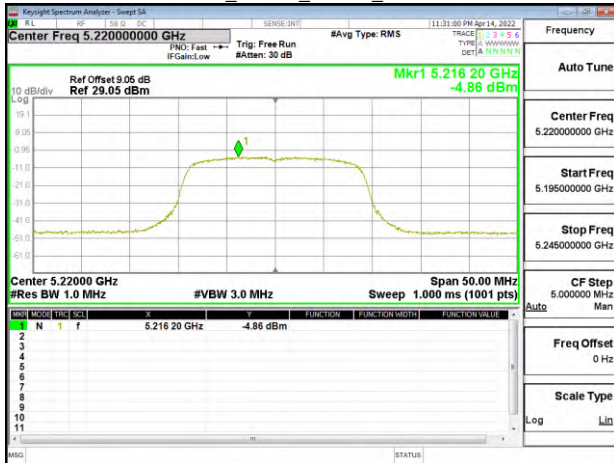
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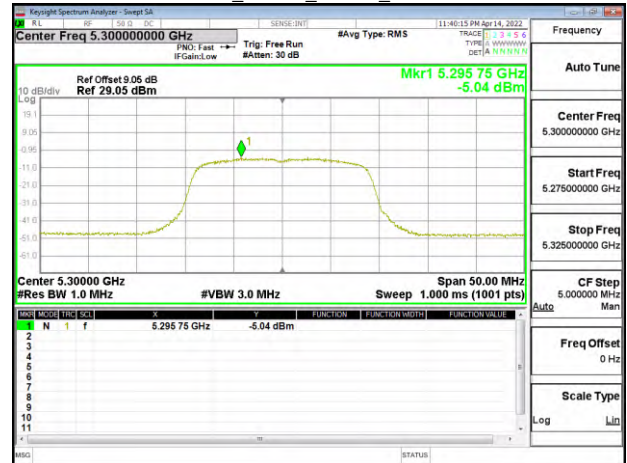
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802.11n_20MHz_Chain0_5220MHz



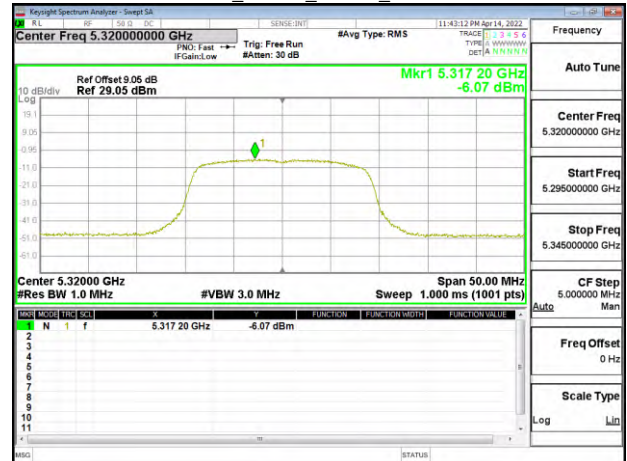
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802.11n_20MHz_Chain0_5240MHz



802.11n_20MHz_Chain0_5320MHz

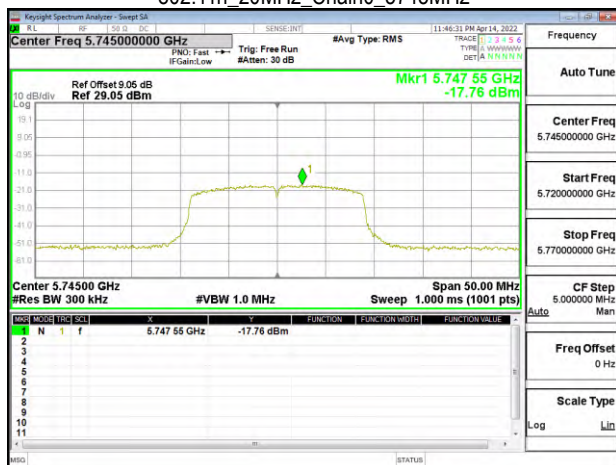


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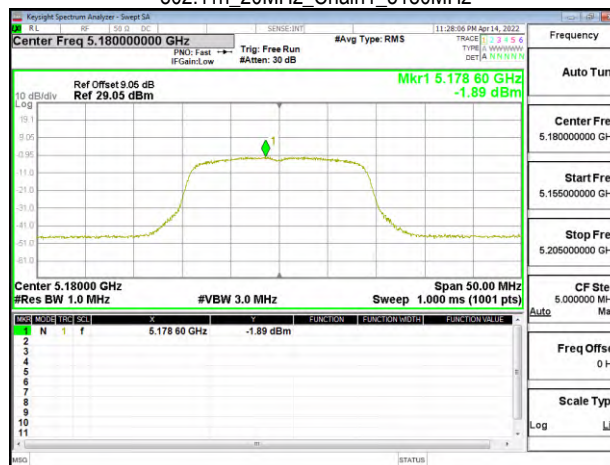
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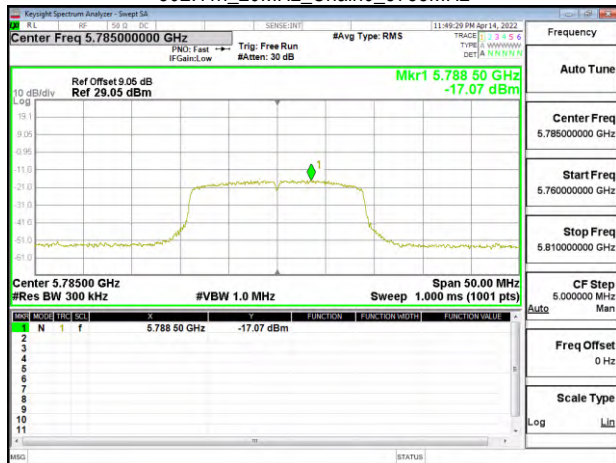
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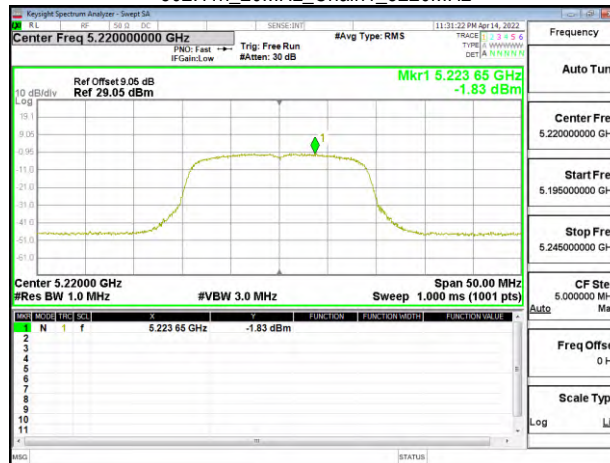
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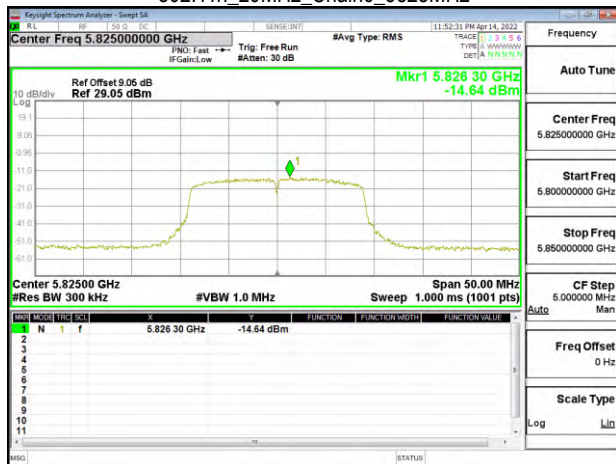
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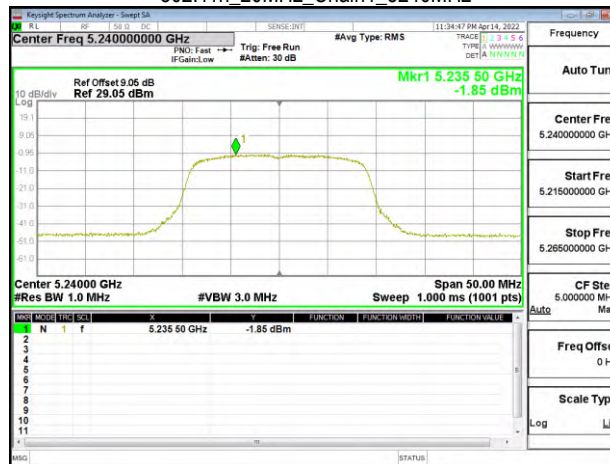
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802.11n_20MHz_Chain0_5825MHz



802.11n_20MHz_Chain1_5240MHz

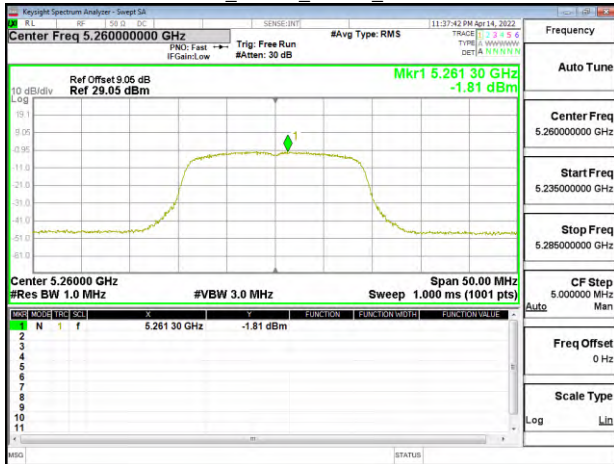


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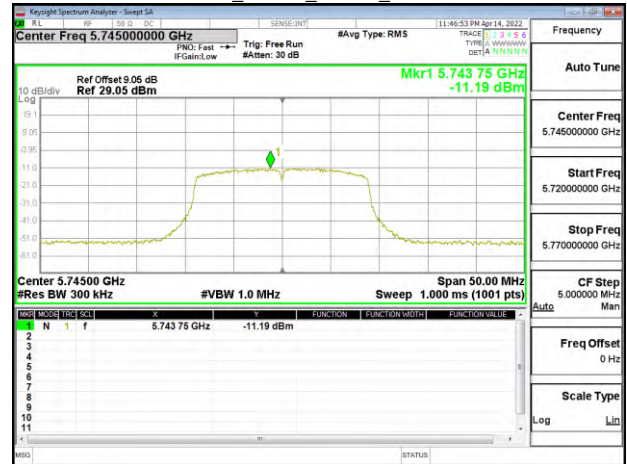
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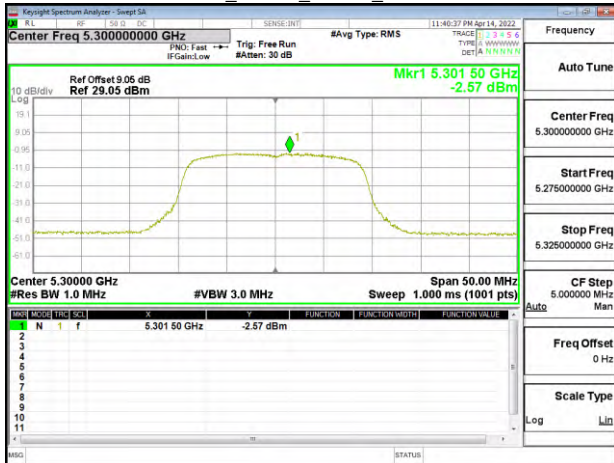
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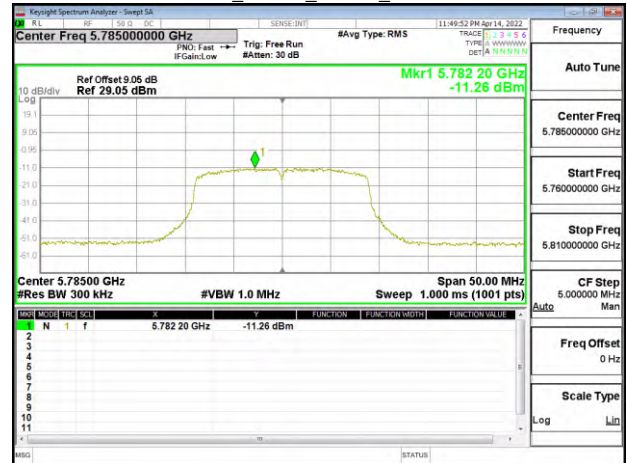
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802.11n_20MHz_Chain1_5300MHz



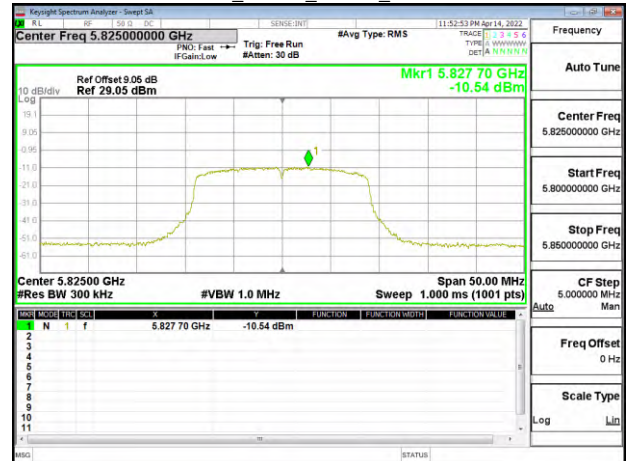
802.11n_20MHz_Chain1_5785MHz



802.11n_20MHz_Chain1_5320MHz



802.11n_20MHz_Chain1_5825MHz

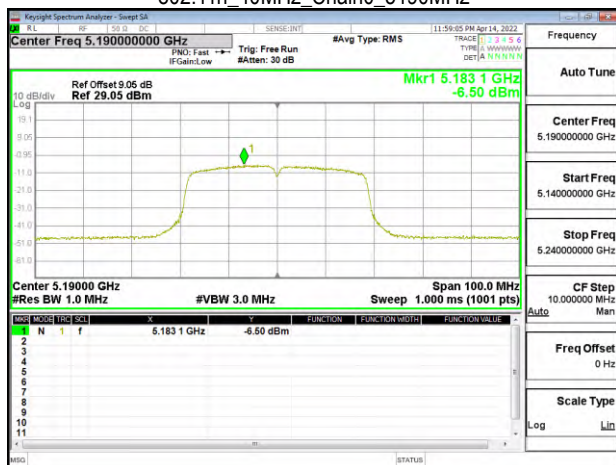


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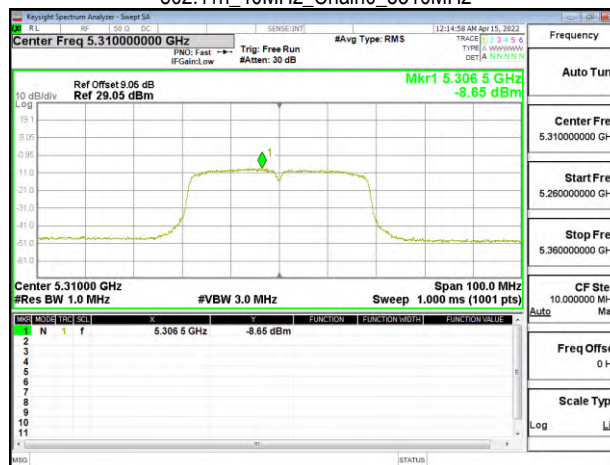
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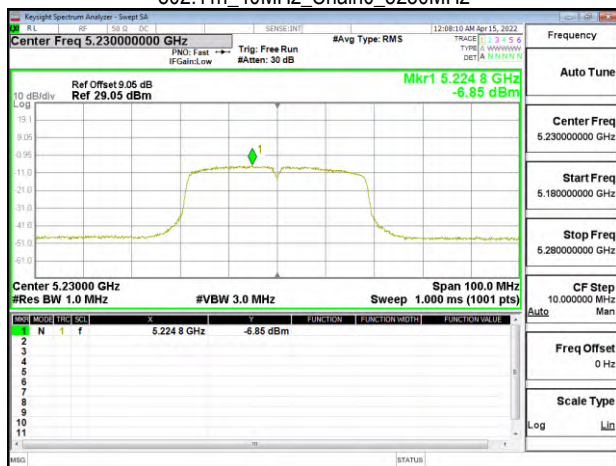
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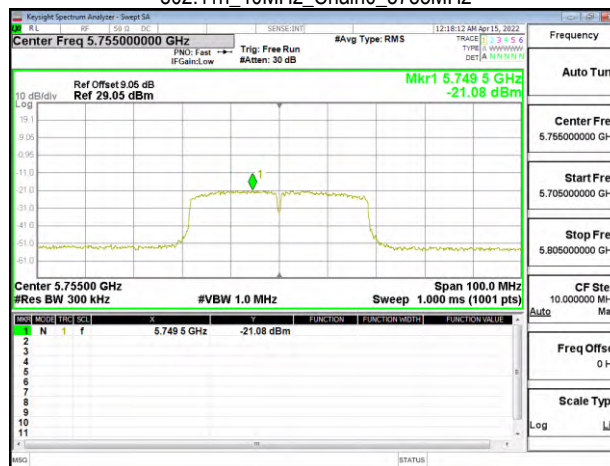
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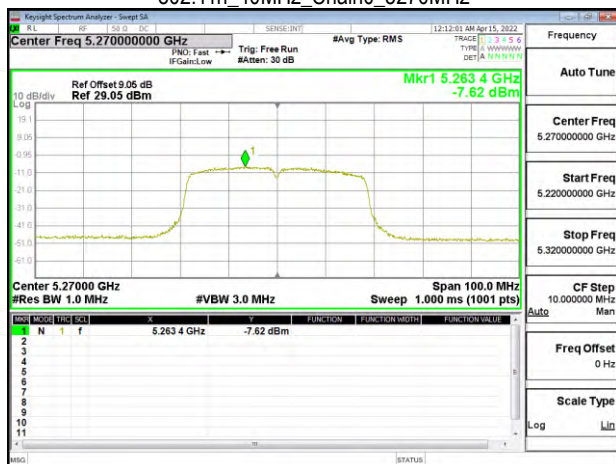
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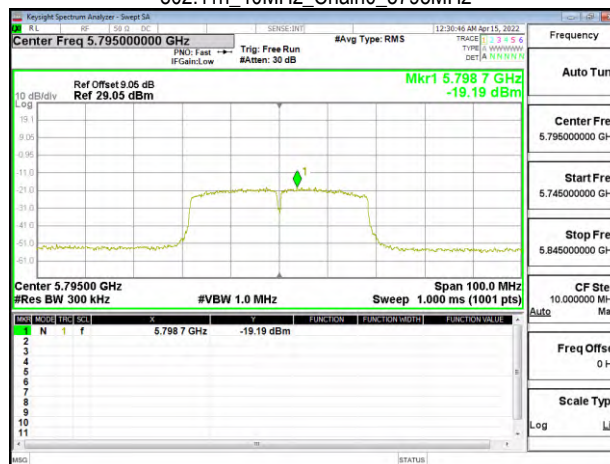
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802.11n_40MHz_Chain0_5270MHz



802.11n_40MHz_Chain0_5795MHz

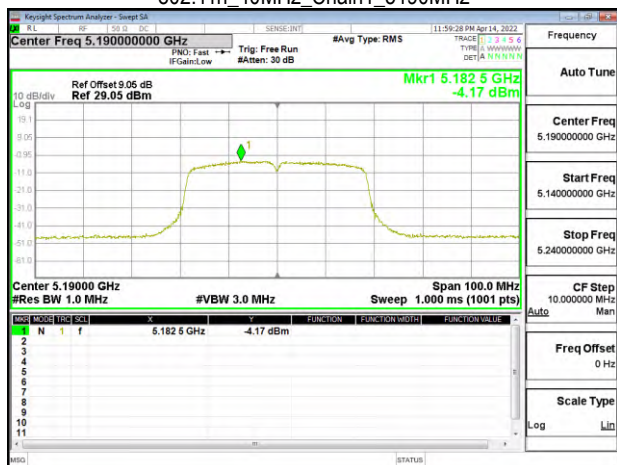


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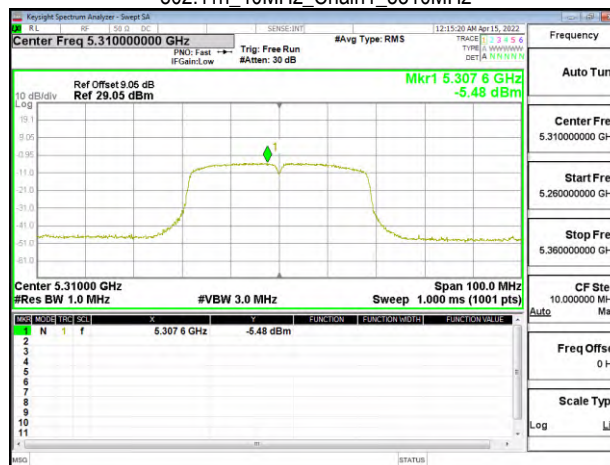
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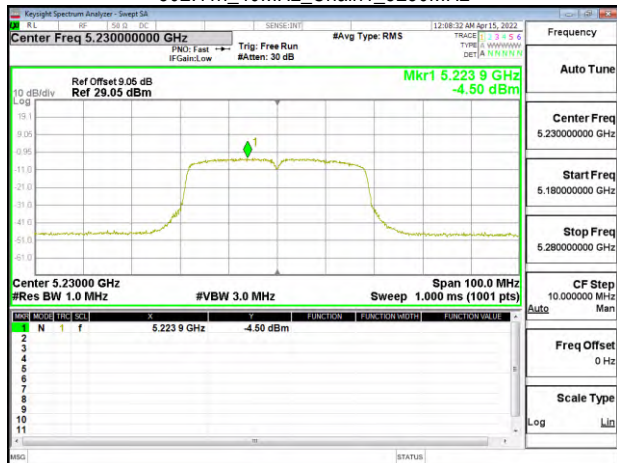
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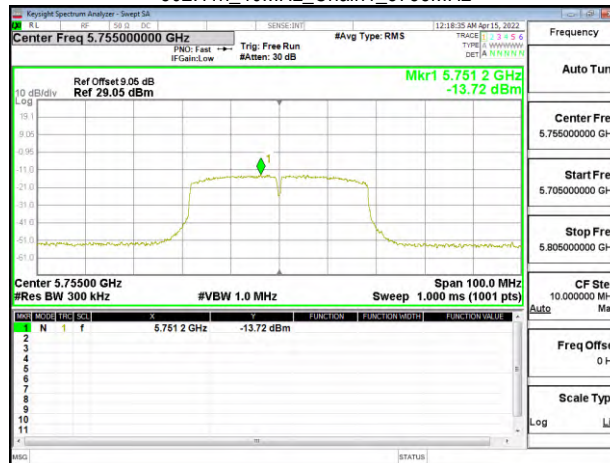
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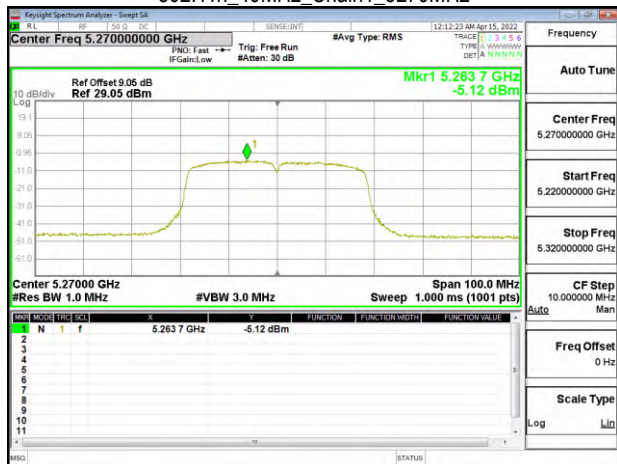
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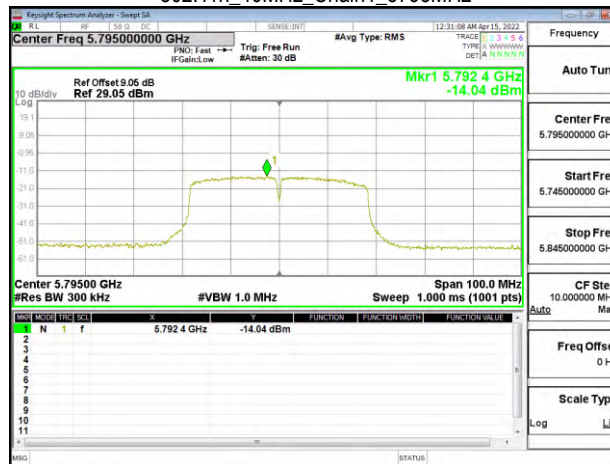
802.11n_40MHz_Chain1_5755MHz



802.11n_40MHz_Chain1_5270MHz



802.11n_40MHz_Chain1_5795MHz

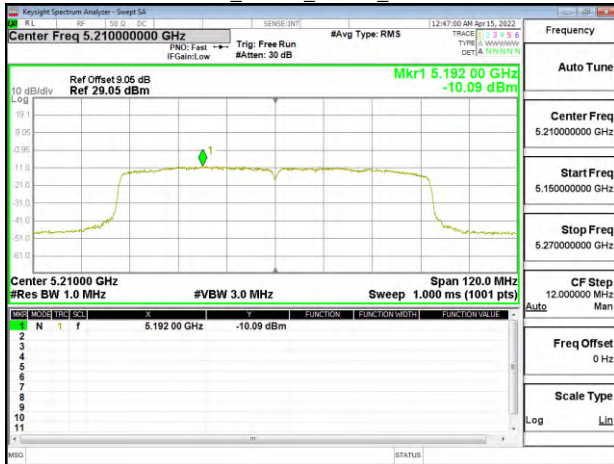


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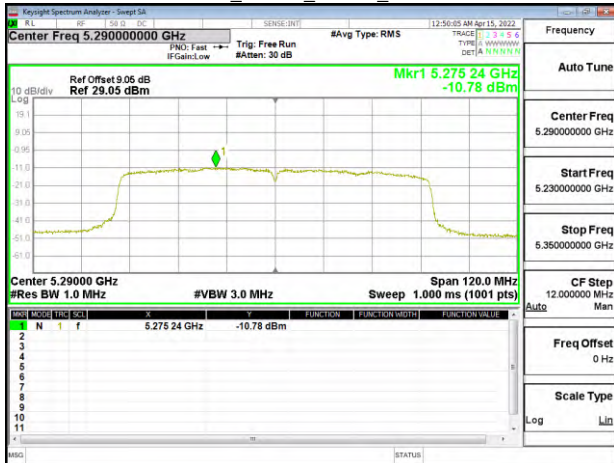
802.11ac_80MHz_Chain0_5210MHz



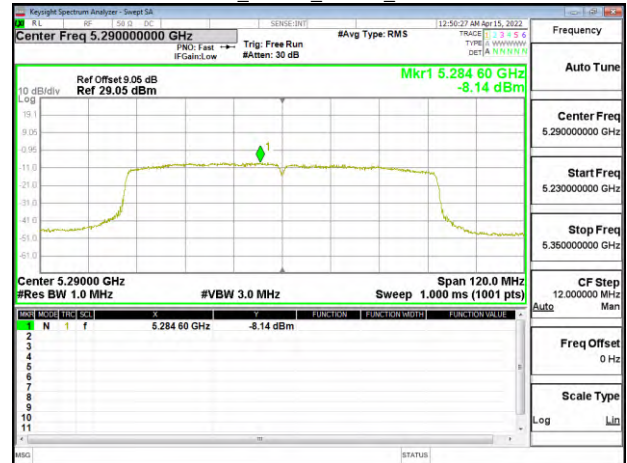
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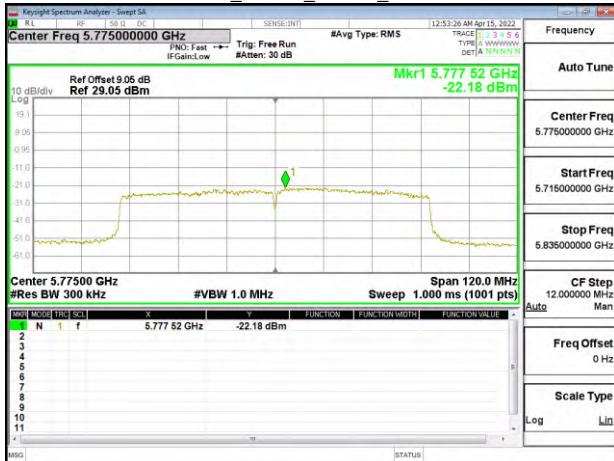
802.11ac_80MHz_Chain0_5290MHz



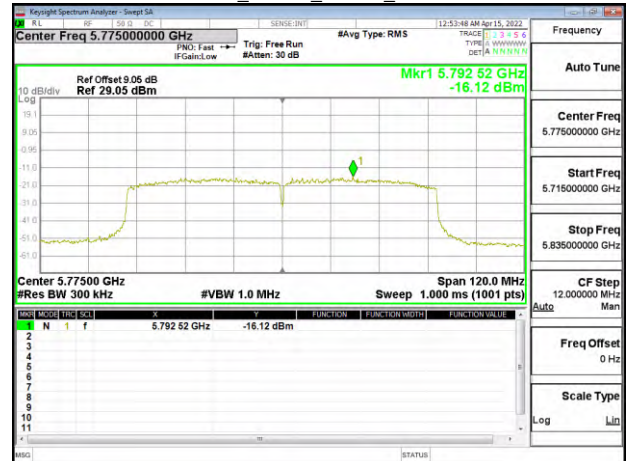
802.11ac_80MHz_Chain1_5290MHz



802.11ac_80MHz_Chain0_5775MHz



802.11ac_80MHz_Chain1_5775MHz



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11 UNDESIRABLE RADIATED EMISSION MEASUREMENT

11.1 Standard Applicable

$EIRP = (E \cdot d)^2 / 30$, where E is the field strength in V/m, d is the measurement distance (3m), $EIRP$ is the equivalent isotropically radiated power in Watts.

11.1.1 5150~5850 MHz

Applicable to	Operation Freq. (MHz)	EIRP		Field Strength @ 3m (dBμV/m)
		Freq. (MHz)	Limits (dBm/MHz)	
15.407(b)(1) RSS-247 §6.2.1.2	5150~5250	$f \leq 5150$ $f \geq 5350$	PK: -27	PK: 68.2
15.407(b)(2) RSS-247 §6.2.2.2	5250~5350			
15.407(b)(3) RSS-247 §6.2.3.2	5475~5725	$f \leq 5470$ $f \geq 5725$		
15.407(b)(4)(i) RSS-247 §6.2.4.2	5725~5850	at 75 MHz or more above or below the band edge	PK:-27	PK: 68.2
		increasing linearly from 75~25MHz above or below the band edge	PK:-27~10	PK: 68.2~105.2
		increasing linearly from 25~5MHz above or below the band edge	PK:10~15.6	PK: 105.2~110.8
		increasing linearly from 5~0 MHz above or below the band edge	PK: 15.6~27	PK:110.8~122.2

11.1.2 Spurious Emission

Unwanted spurious emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

Frequency (MHz)	Field strength (microvolts/meter)	Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Note:

- The lower limit shall apply at the transition frequencies.

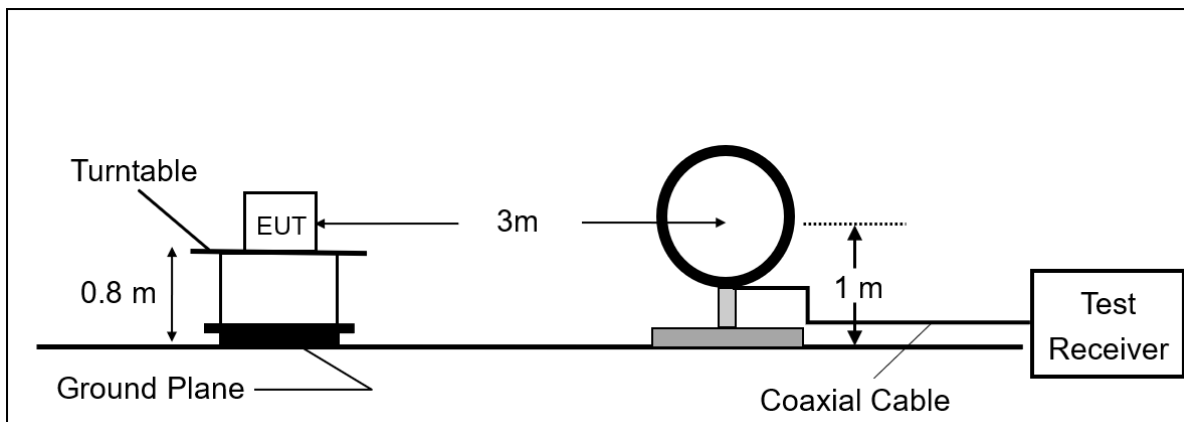
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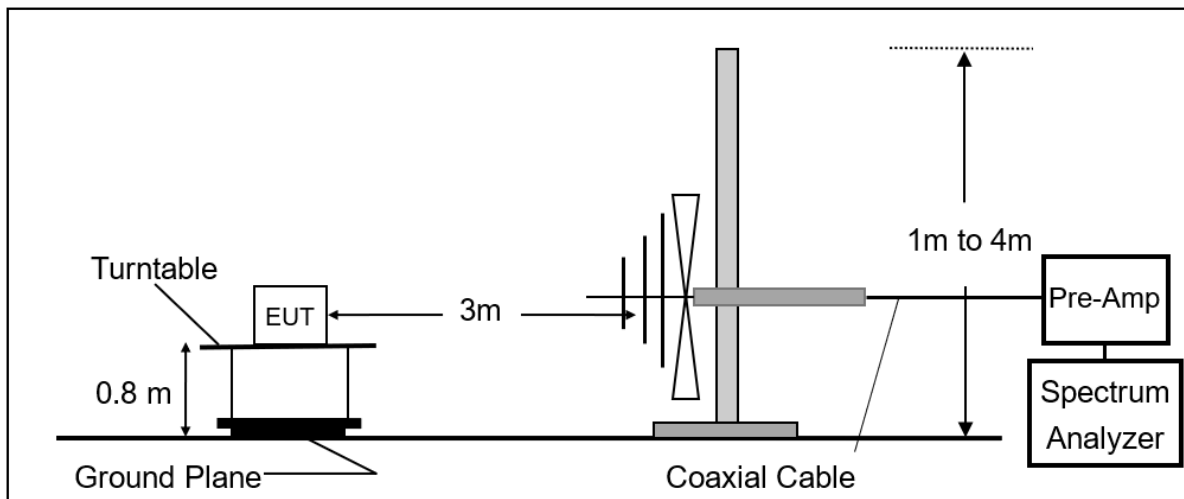
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11.2 Test Setup

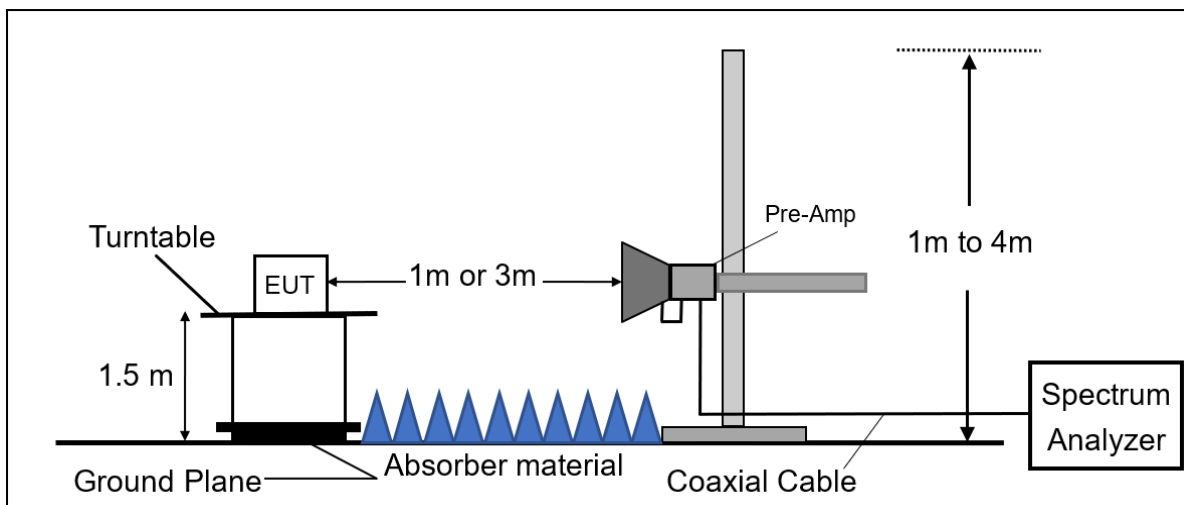
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



(B) Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz



(C) Radiated Emission Test Set-Up, Frequency Above 1GHz



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11.3 Measurement Procedure

1. The testing follows FCC KDB 789033 D02.
2. The EUT was placed on a turn table with 0.8m for frequency < 1GHz and 1.5m for frequency > 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz
6. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Maximum Emission Measurements at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW $\geq 1/T$ (Duty cycle < 98%) for Average Emission Measurements at frequency above 1 GHz.
9. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.
10. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
11. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
12. Repeat above procedures until all frequency measured were complete.

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11.4 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where *FS* = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

The limit of the emission level is expressed in dBuV/m, which converts $20 \cdot \log(\mu V/m)$

Actual FS(dBuV/m) = SPA. Reading level(dBuV) + Factor(dB)

Factor(dB) = Antenna Factor(dBuV/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

11.5 Test Results of Radiated Spurious Emissions from 9 kHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) & RSS-GEN §6.13.2 was not reported.

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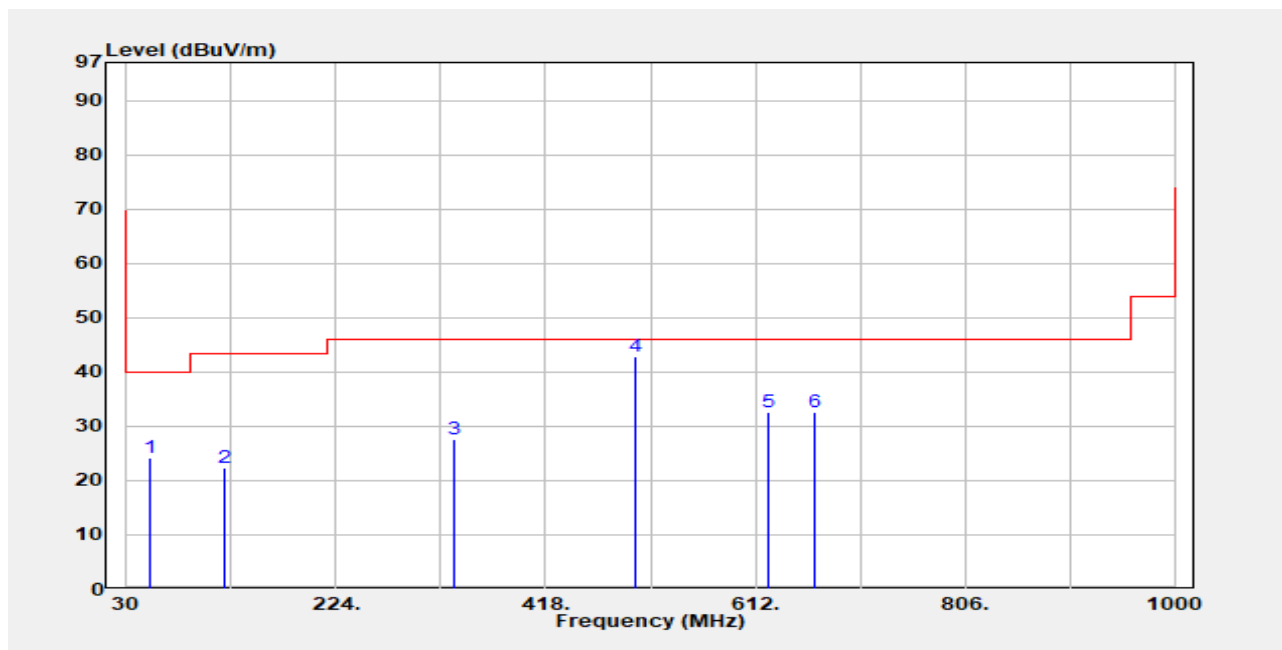
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11.6 Radiated Spurious Emission Measurement Result

11.6.1 Spurious Emission

Report Number :ER/2022/20002
Operation Mode :802.11a
Test Frequency :5220 MHz
Test Mode :Tx CH Mid
EUT Pol :E1 Plane

Test Site :SAC 1
Test Date :2022-04-18
Temp./Humi. :23.5/61
Antenna Pol. :VERTICAL
Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
52.31	Peak	41.03	-16.79	24.25	40.00	-15.75
120.21	Peak	33.94	-11.62	22.32	43.50	-21.18
333.61	Peak	35.83	-8.28	27.55	46.00	-18.45
500.45	Peak	48.00	-5.20	42.80	46.00	-3.20
624.61	Peak	36.11	-3.63	32.48	46.00	-13.52
666.32	Peak	35.91	-3.23	32.68	46.00	-13.32

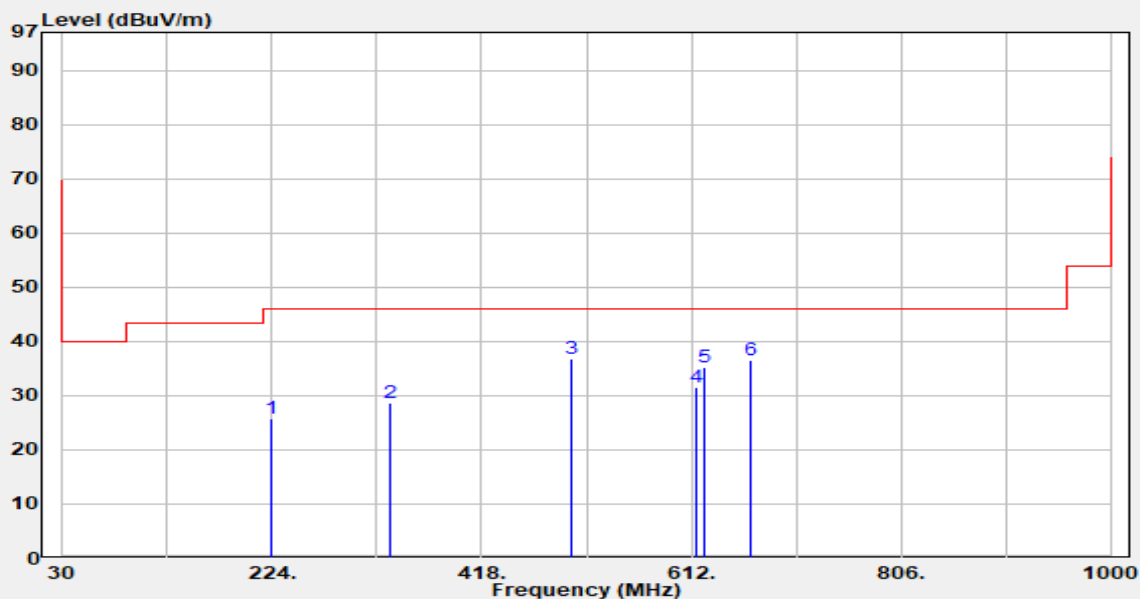
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Report Number :ER/2022/20002
 Operation Mode :802.11a
 Test Frequency :5220 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
223.03	Peak	38.78	-13.05	25.73	46.00	-20.27
333.61	Peak	36.82	-8.28	28.54	46.00	-17.46
500.45	Peak	41.91	-5.20	36.71	46.00	-9.29
615.88	Peak	35.26	-3.75	31.51	46.00	-14.49
624.61	Peak	38.86	-3.63	35.23	46.00	-10.77
666.32	Peak	39.65	-3.23	36.42	46.00	-9.58

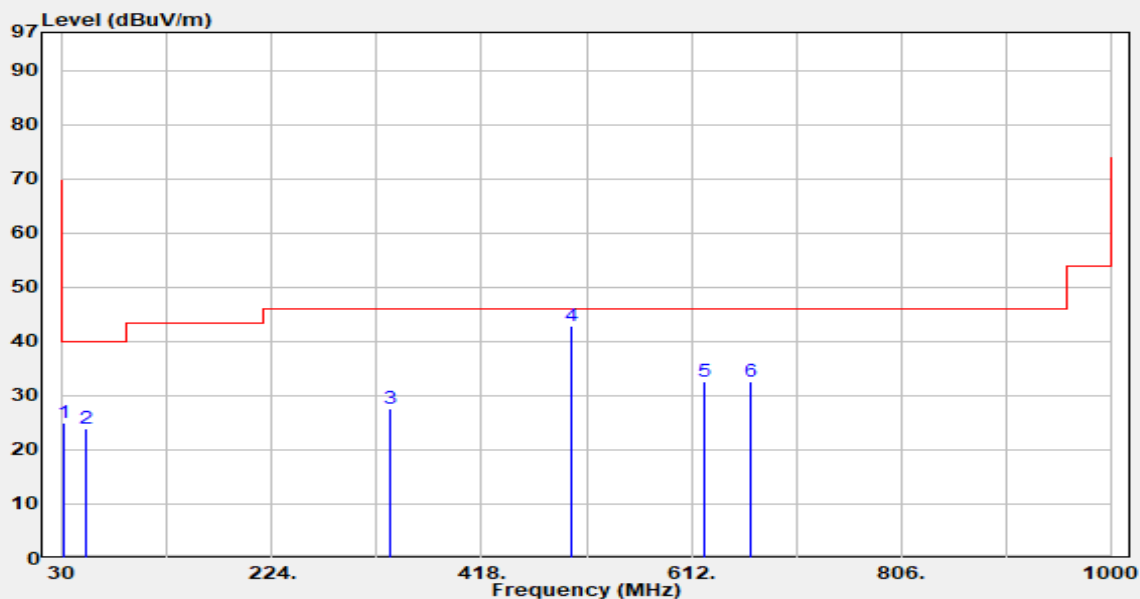
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Report Number :ER/2022/20002
 Operation Mode :802.11a
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
31.94	Peak	30.84	-5.99	24.85	40.00	-15.15
51.34	Peak	40.48	-16.45	24.04	40.00	-15.96
333.61	Peak	35.99	-8.28	27.71	46.00	-18.29
500.45	Peak	48.12	-5.20	42.92	46.00	-3.08
624.61	Peak	36.31	-3.63	32.68	46.00	-13.32
666.32	Peak	35.78	-3.23	32.55	46.00	-13.45

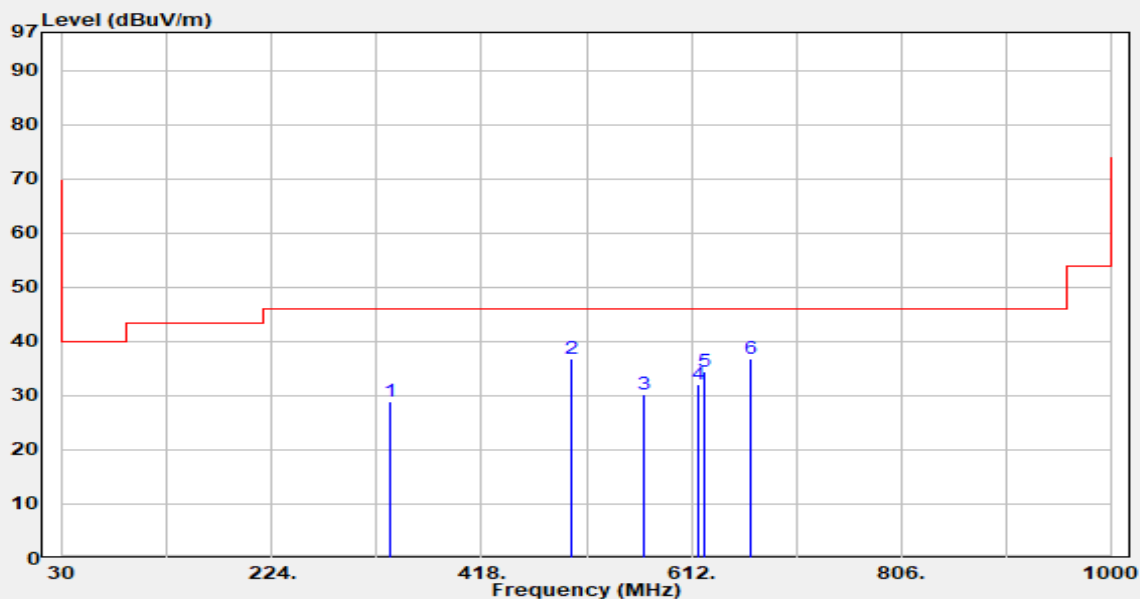
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Report Number :ER/2022/20002
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 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
333.61	Peak	37.09	-8.28	28.81	46.00	-17.19
500.45	Peak	42.02	-5.20	36.82	46.00	-9.18
568.35	Peak	34.62	-4.47	30.15	46.00	-15.85
618.79	Peak	35.84	-3.72	32.12	46.00	-13.88
624.61	Peak	38.19	-3.63	34.56	46.00	-11.44
666.32	Peak	39.99	-3.23	36.76	46.00	-9.24

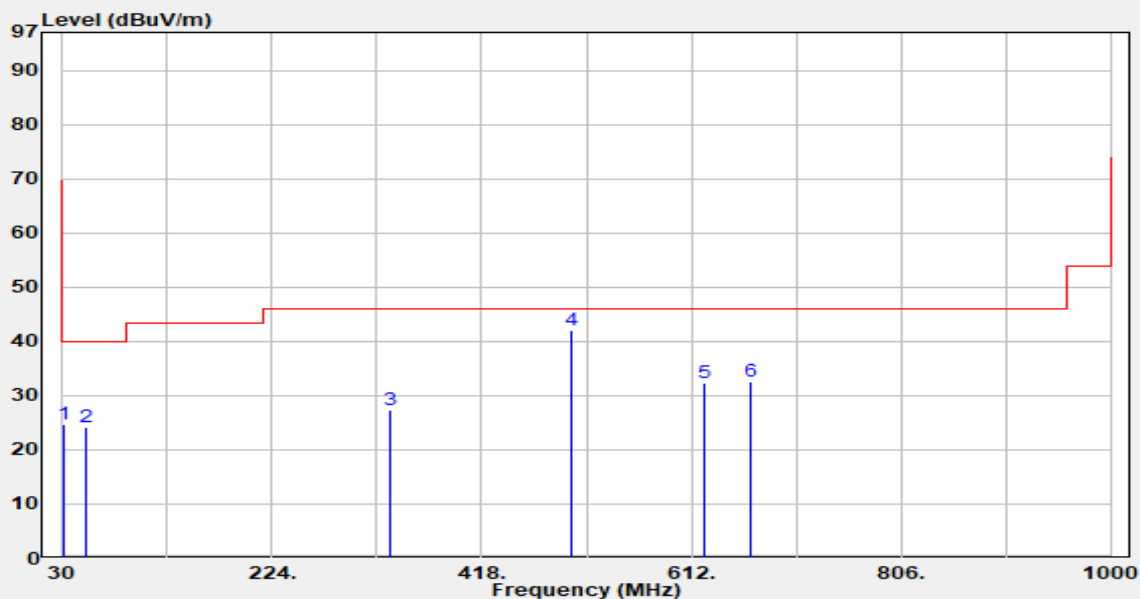
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Report Number :ER/2022/20002
Operation Mode :802.11a
Test Frequency :5785 MHz
Test Mode :Tx CH Mid
EUT Pol :E1 Plane

Test Site :SAC 1
Test Date :2022-04-18
Temp./Humi. :23.5/61
Antenna Pol. :VERTICAL
Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
31.94	Peak	30.69	-5.99	24.70	40.00	-15.30
52.31	Peak	40.87	-16.79	24.09	40.00	-15.91
333.61	Peak	35.72	-8.28	27.44	46.00	-18.56
500.45	Peak	47.28	-5.20	42.08	46.00	-3.92
624.61	Peak	35.87	-3.63	32.24	46.00	-13.76
666.32	Peak	35.79	-3.23	32.55	46.00	-13.45

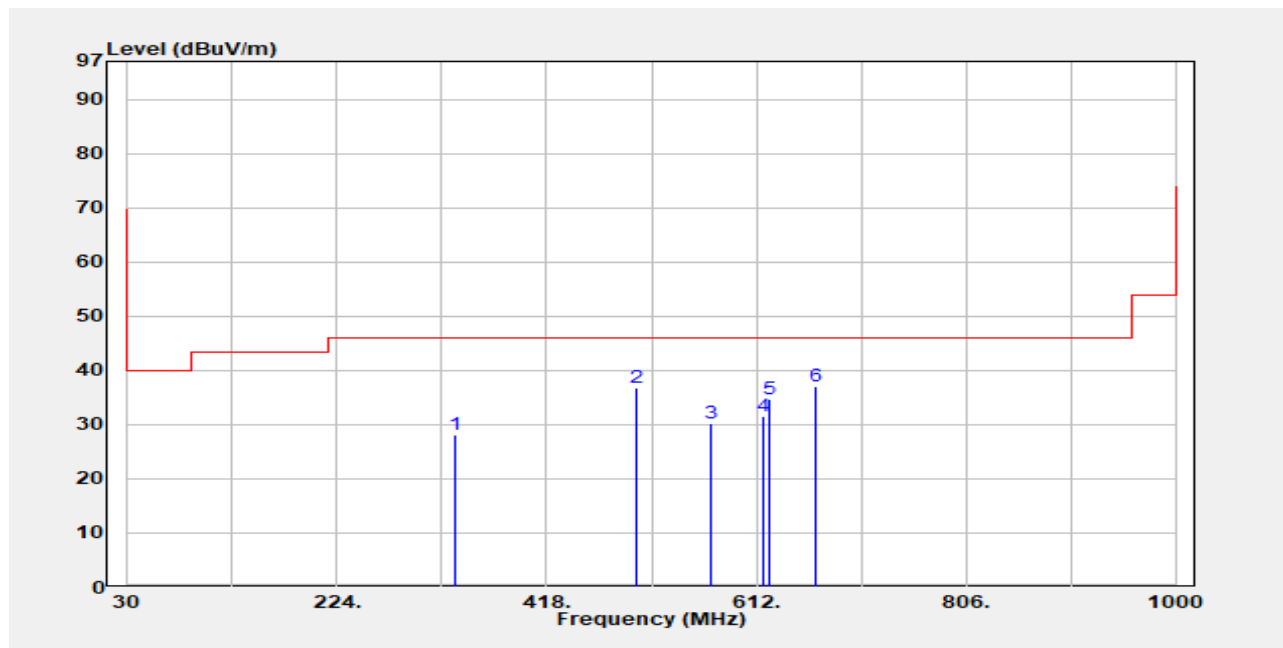
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Report Number :ER/2022/20002
Operation Mode :802.11a
Test Frequency :5785 MHz
Test Mode :Tx CH Mid
EUT Pol :E1 Plane

Test Site :SAC 1
Test Date :2022-04-18
Temp./Humi. :23.5/61
Antenna Pol. :HORIZONTAL
Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
333.61	Peak	36.31	-8.28	28.03	46.00	-17.97
500.45	Peak	41.92	-5.20	36.72	46.00	-9.28
569.32	Peak	34.65	-4.44	30.21	46.00	-15.79
618.79	Peak	35.23	-3.72	31.51	46.00	-14.49
624.61	Peak	38.24	-3.63	34.61	46.00	-11.39
666.32	Peak	40.21	-3.23	36.98	46.00	-9.02

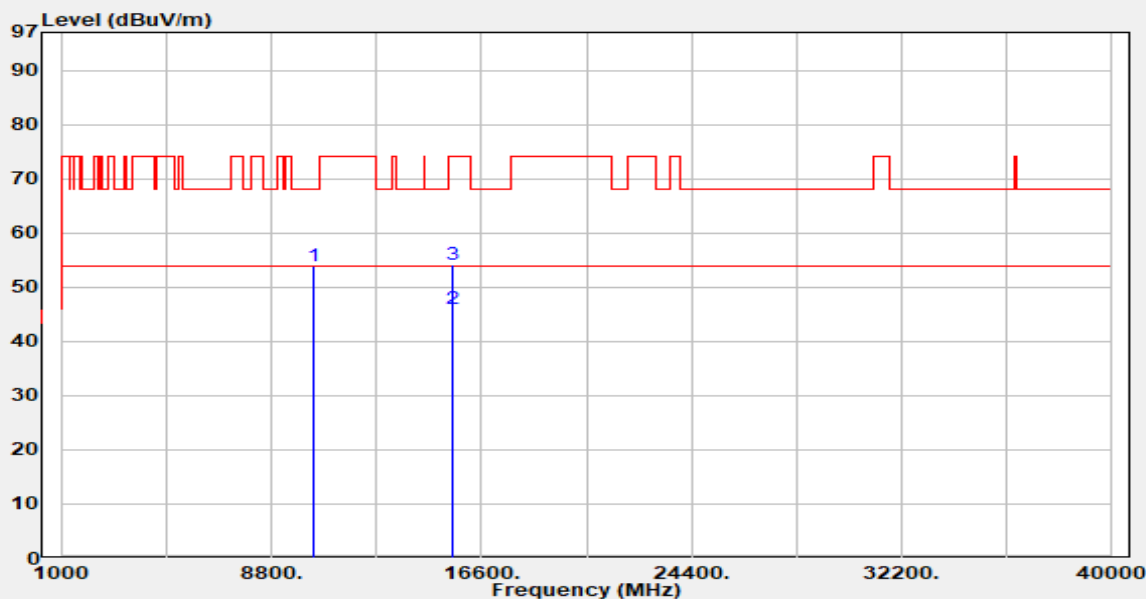
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Report Number :ER/2022/20002
 Operation Mode :802.11a
 Test Frequency :5180 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10360.00	Peak	34.36	19.42	53.77	68.20	-14.43
15540.00	Average	23.57	22.50	46.07	54.00	-7.93
15540.00	Peak	31.63	22.50	54.12	74.00	-19.88

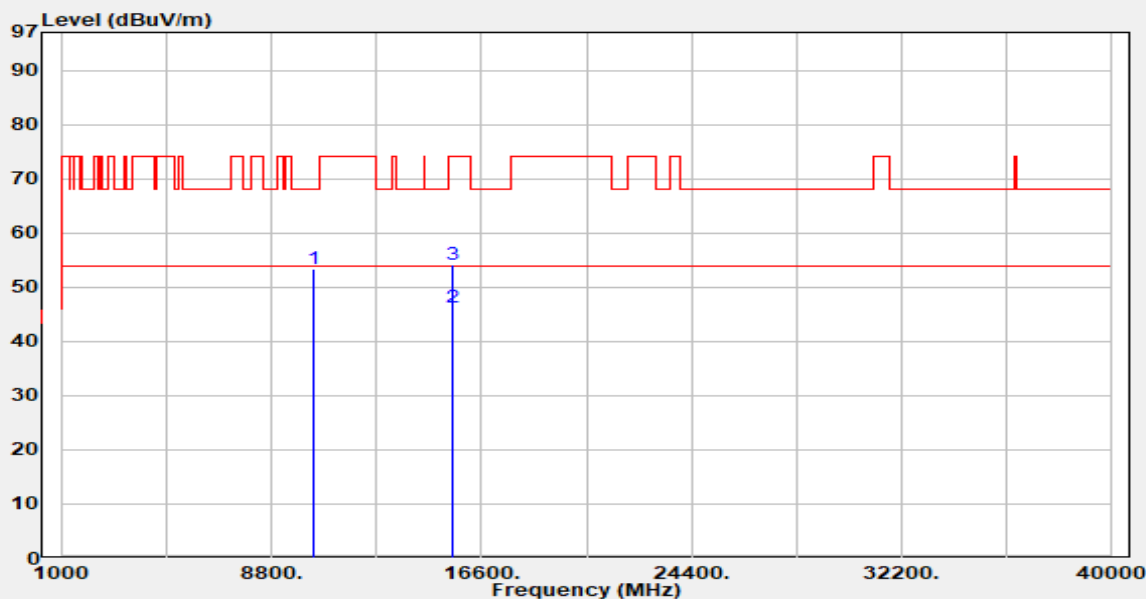
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Report Number :ER/2022/20002
 Operation Mode :802.11a
 Test Frequency :5180 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



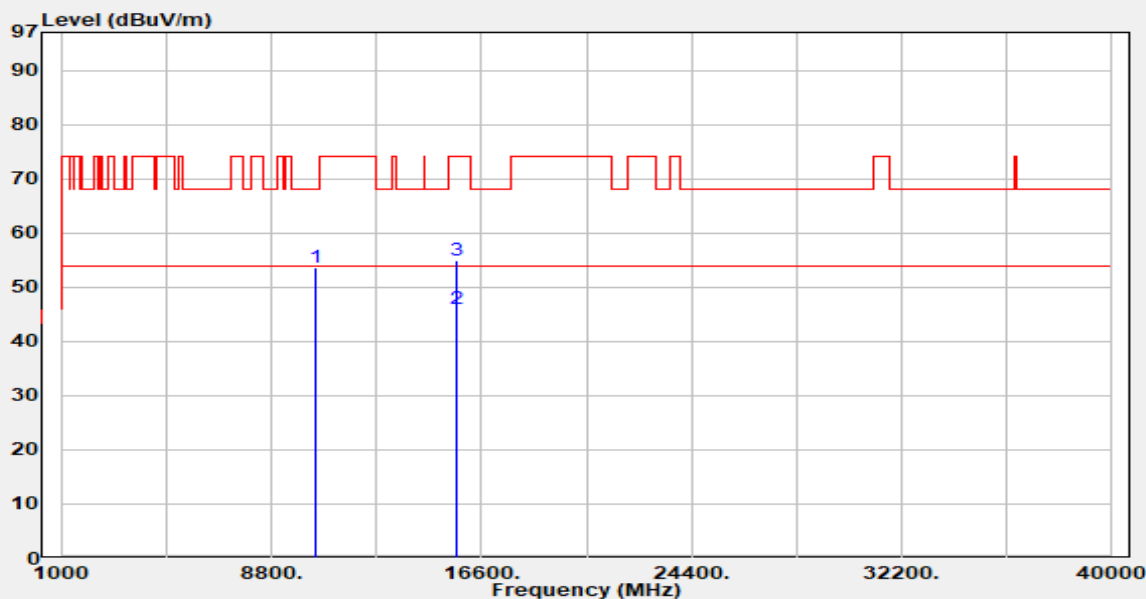
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10360.00	Peak	33.95	19.42	53.37	68.20	-14.83
15540.00	Average	23.65	22.50	46.15	54.00	-7.85
15540.00	Peak	31.56	22.50	54.05	74.00	-19.95

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Report Number :ER/2022/20002
 Operation Mode :802.11a
 Test Frequency :5220 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10440.00	Peak	34.44	19.25	53.69	68.20	-14.51
15660.00	Average	24.31	21.82	46.13	54.00	-7.87
15660.00	Peak	33.07	21.82	54.89	74.00	-19.11

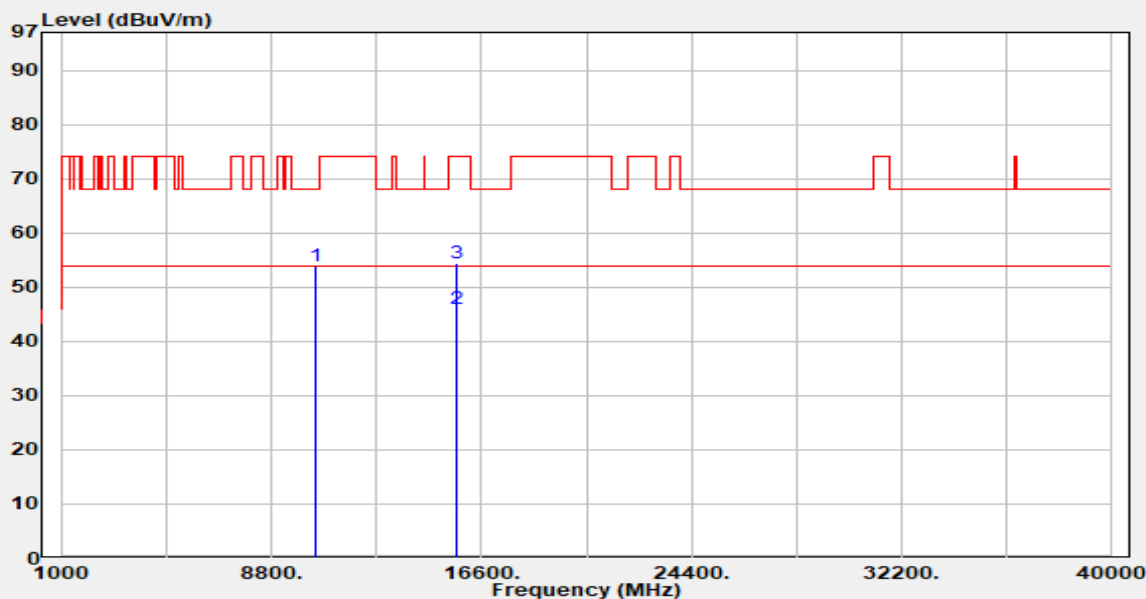
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Report Number :ER/2022/20002
 Operation Mode :802.11a
 Test Frequency :5220 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10440.00	Peak	34.63	19.25	53.88	68.20	-14.32
15660.00	Average	24.28	21.82	46.10	54.00	-7.90
15660.00	Peak	32.57	21.82	54.39	74.00	-19.61

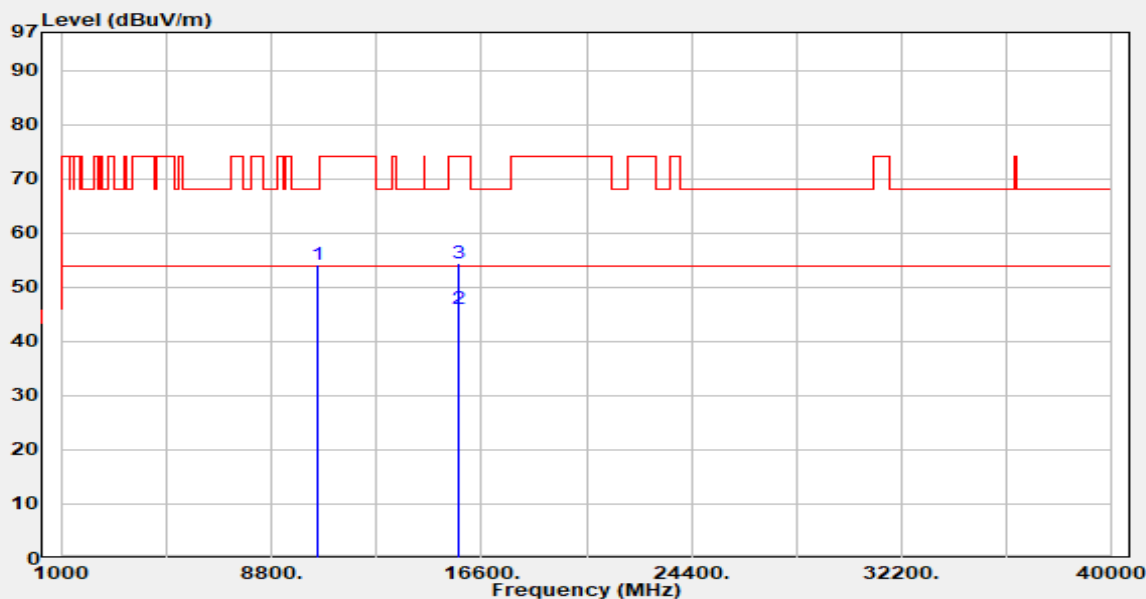
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Report Number :ER/2022/20002
 Operation Mode :802.11a
 Test Frequency :5240 MHz
 Test Mode :Tx CH High
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10480.00	Peak	34.12	20.01	54.13	68.20	-14.07
15720.00	Average	24.43	21.53	45.96	54.00	-8.04
15720.00	Peak	33.00	21.53	54.53	74.00	-19.47

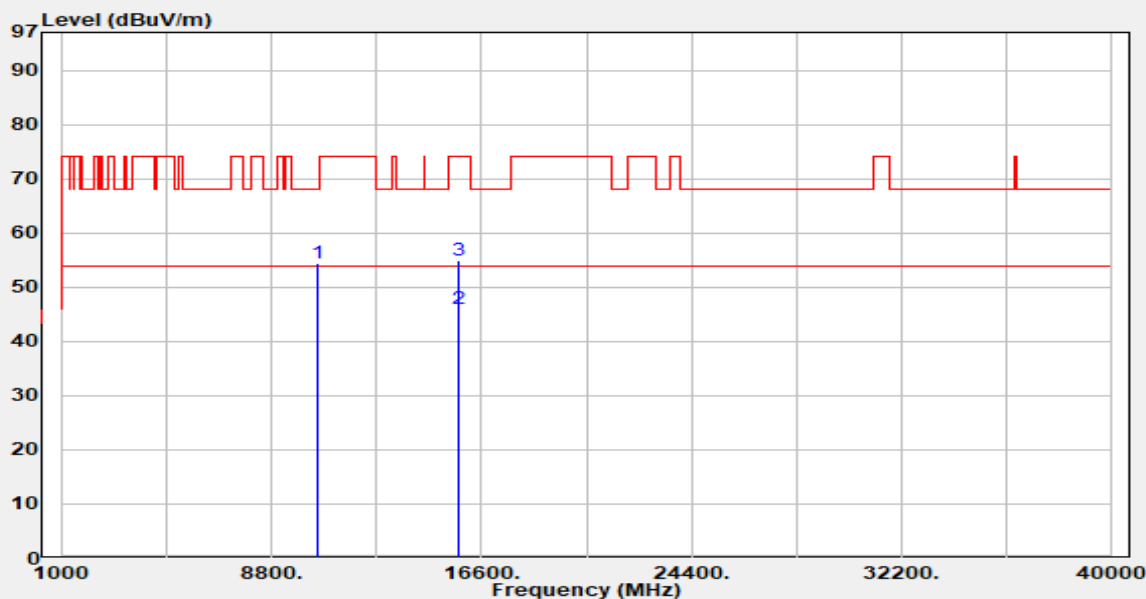
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Report Number :ER/2022/20002
 Operation Mode :802.11a
 Test Frequency :5240 MHz
 Test Mode :Tx CH High
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10480.00	Peak	34.52	20.01	54.52	68.20	-13.68
15720.00	Average	24.53	21.53	46.06	54.00	-7.94
15720.00	Peak	33.50	21.53	55.03	74.00	-18.97

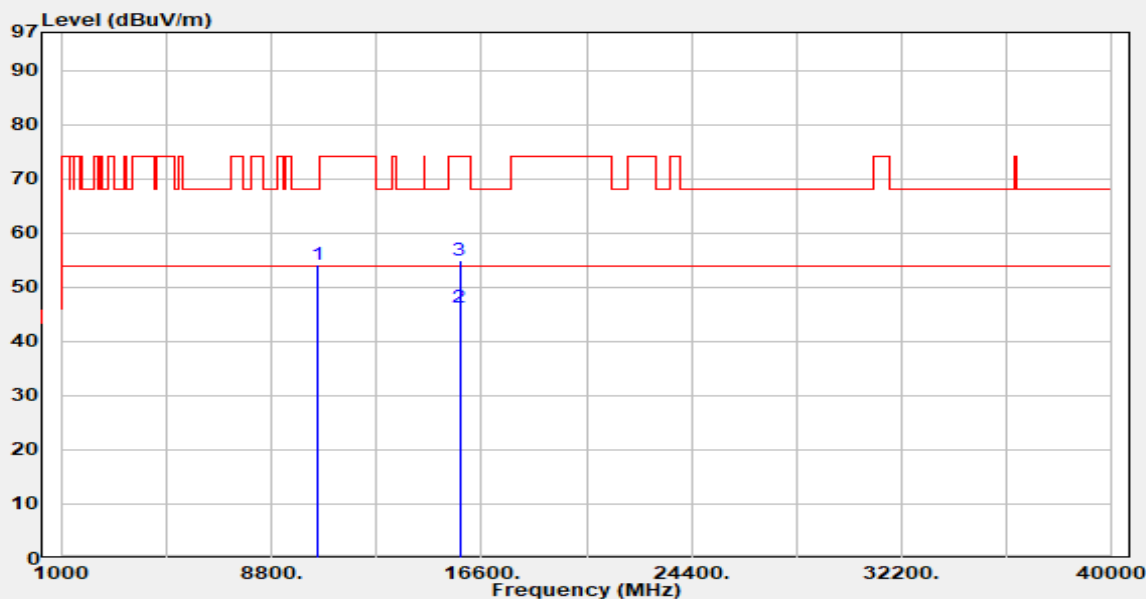
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Report Number :ER/2022/20002
 Operation Mode :802.11a
 Test Frequency :5260 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10520.00	Peak	34.32	19.92	54.24	68.20	-13.96
15780.00	Average	24.60	21.74	46.34	54.00	-7.66
15780.00	Peak	33.12	21.74	54.87	74.00	-19.13

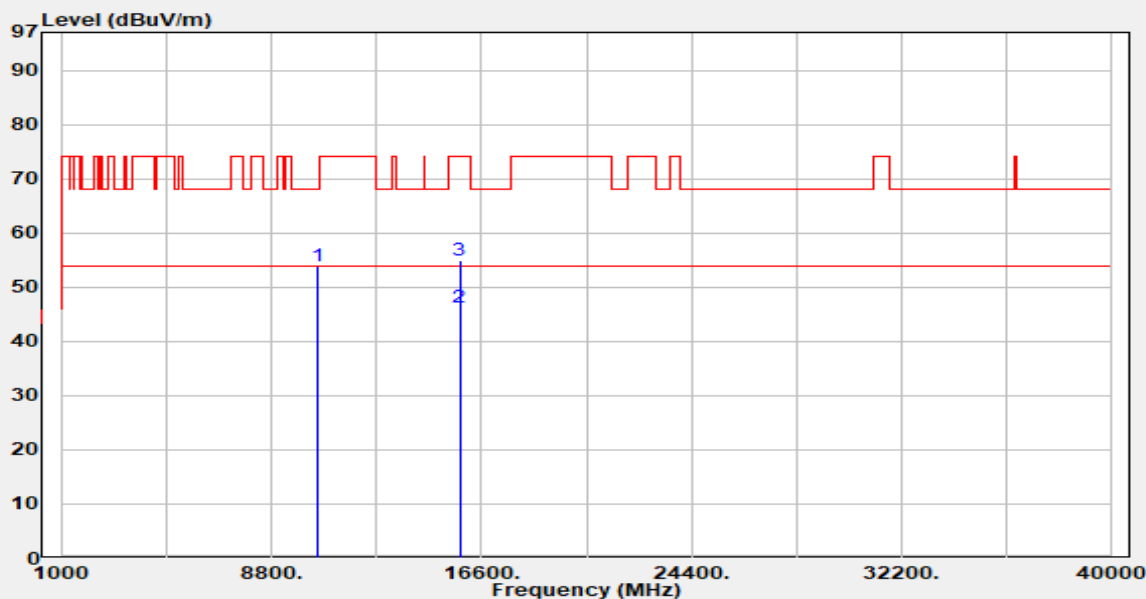
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Report Number :ER/2022/20002
 Operation Mode :802.11a
 Test Frequency :5260 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10520.00	Peak	33.98	19.92	53.90	68.20	-14.30
15780.00	Average	24.63	21.74	46.37	54.00	-7.63
15780.00	Peak	33.33	21.74	55.07	74.00	-18.93

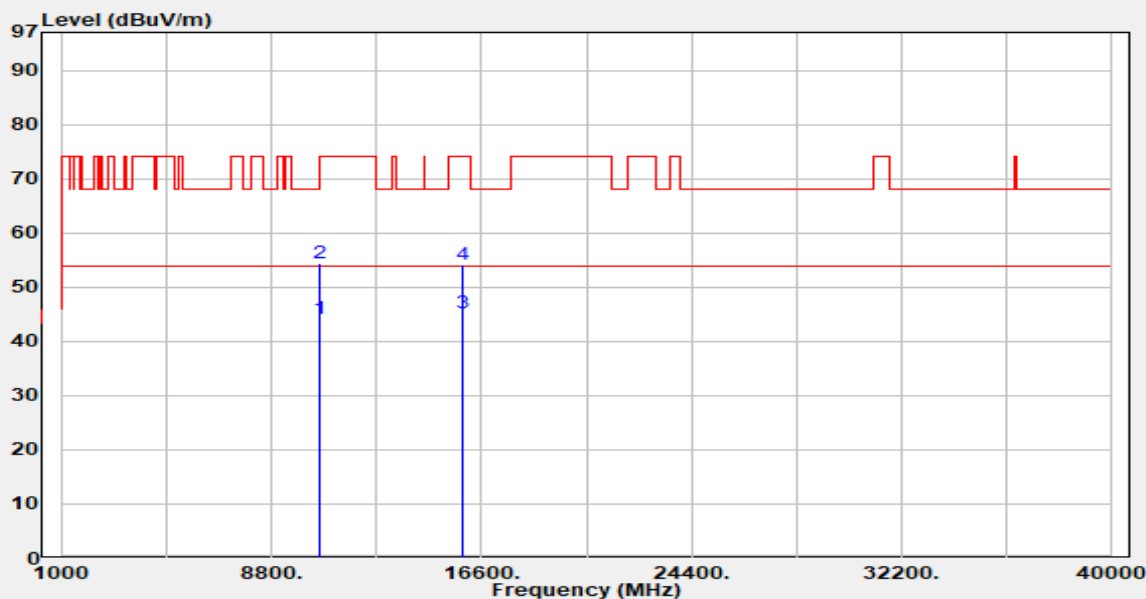
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Report Number :ER/2022/20002
 Operation Mode :802.11a
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10600.00	Average	24.04	19.99	44.03	54.00	-9.97
10600.00	Peak	34.48	19.99	54.48	74.00	-19.52
15900.00	Average	24.37	20.90	45.27	54.00	-8.73
15900.00	Peak	33.14	20.90	54.04	74.00	-19.96

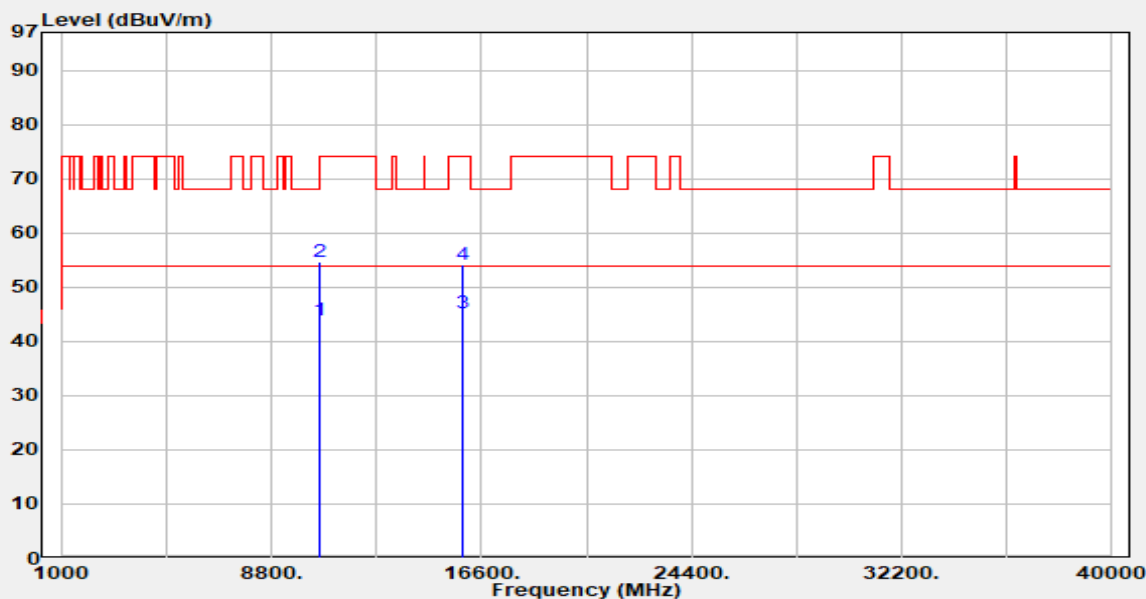
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Report Number :ER/2022/20002
 Operation Mode :802.11a
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10600.00	Average	23.80	19.99	43.79	54.00	-10.21
10600.00	Peak	34.62	19.99	54.62	74.00	-19.38
15900.00	Average	24.35	20.90	45.25	54.00	-8.75
15900.00	Peak	33.22	20.90	54.12	74.00	-19.88

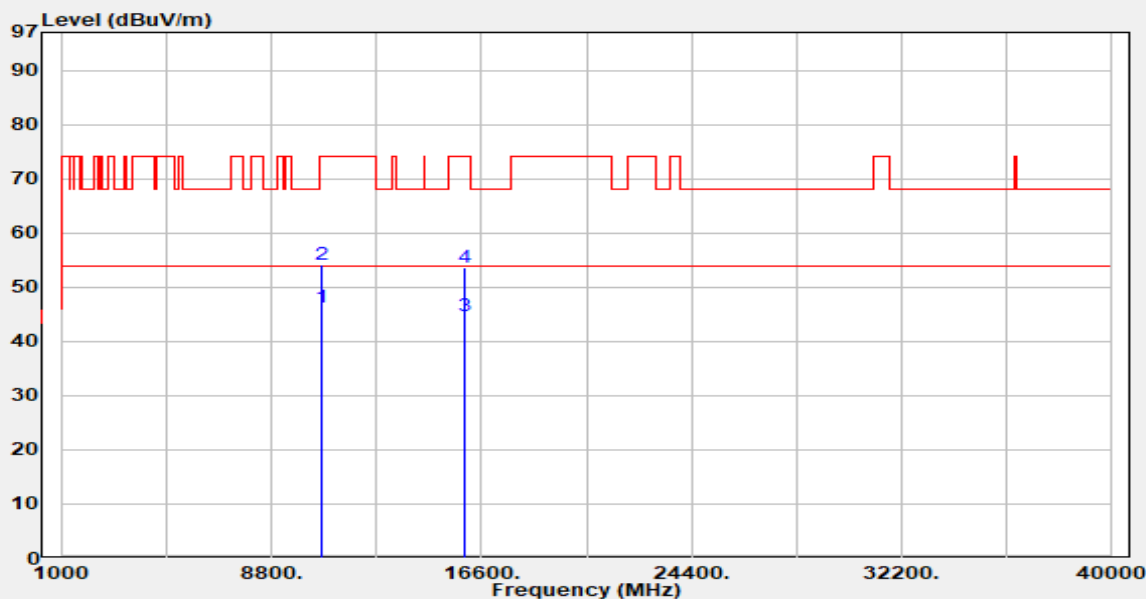
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Report Number :ER/2022/20002
 Operation Mode :802.11a
 Test Frequency :5320 MHz
 Test Mode :Tx CH High
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10640.00	Average	26.13	20.18	46.31	54.00	-7.69
10640.00	Peak	33.92	20.18	54.10	74.00	-19.90
15960.00	Average	24.08	20.66	44.74	54.00	-9.26
15960.00	Peak	33.05	20.66	53.70	74.00	-20.30

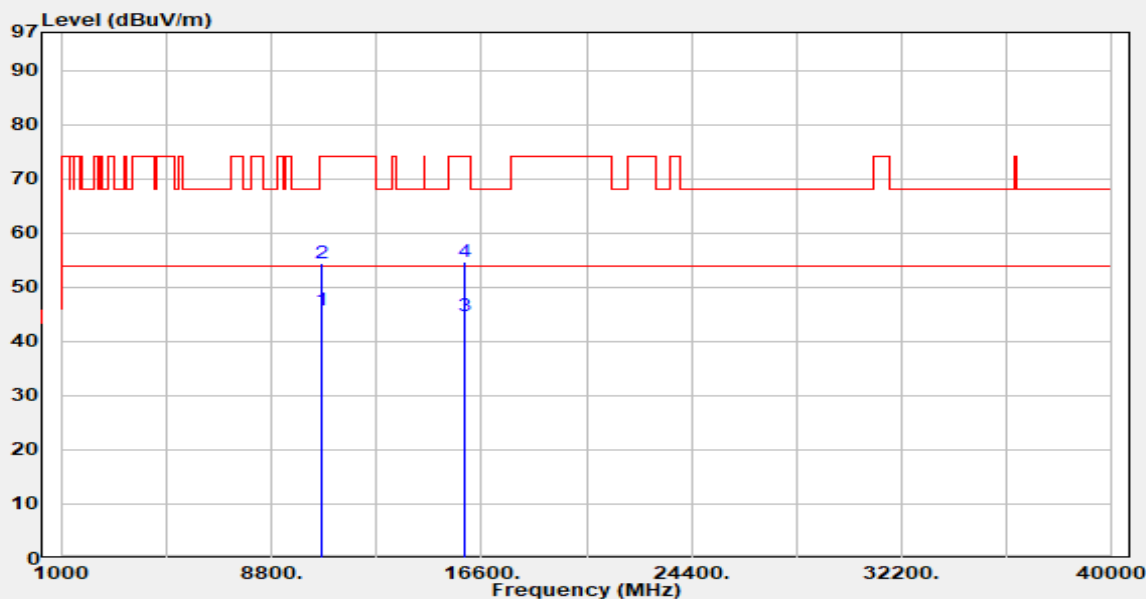
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Report Number :ER/2022/20002
 Operation Mode :802.11a
 Test Frequency :5320 MHz
 Test Mode :Tx CH High
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10640.00	Average	25.45	20.18	45.63	54.00	-8.37
10640.00	Peak	34.23	20.18	54.41	74.00	-19.59
15960.00	Average	24.02	20.66	44.68	54.00	-9.32
15960.00	Peak	33.89	20.66	54.55	74.00	-19.45

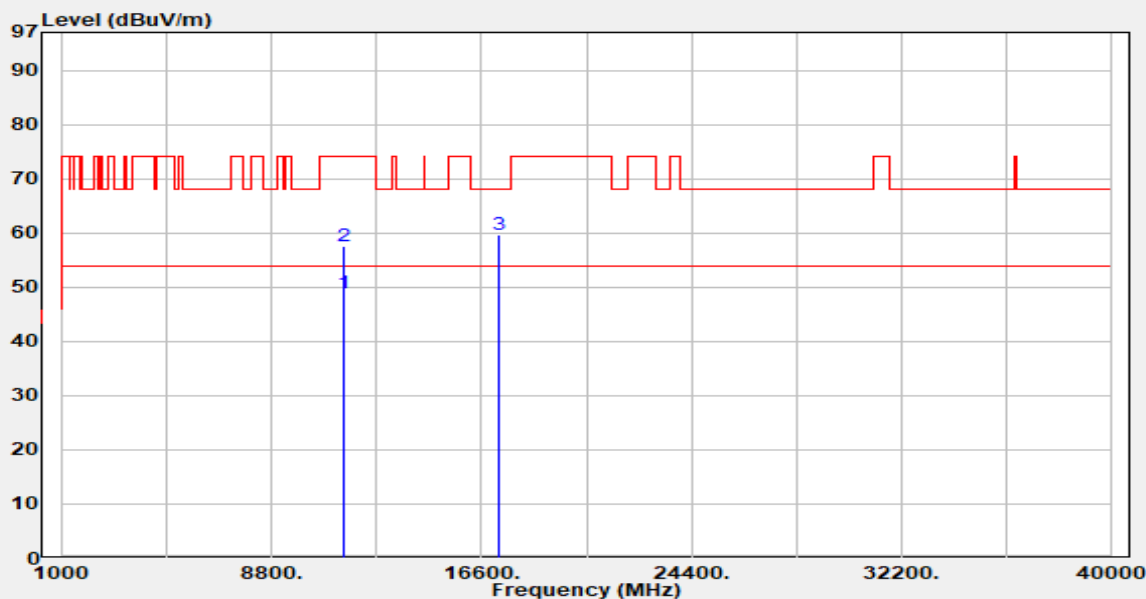
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Report Number :ER/2022/20002
 Operation Mode :802.11a
 Test Frequency :5745 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11490.00	Average	25.48	23.45	48.93	54.00	-5.07
11490.00	Peak	34.14	23.45	57.59	74.00	-16.41
17235.00	Peak	33.98	25.71	59.69	68.20	-8.51

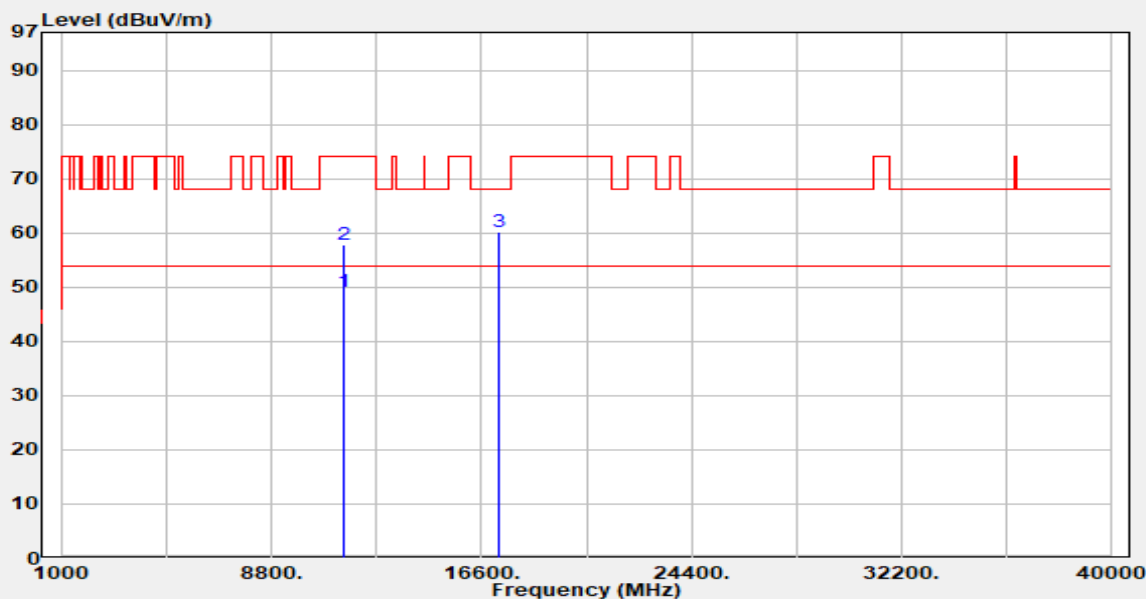
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Report Number :ER/2022/20002
Operation Mode :802.11a
Test Frequency :5745 MHz
Test Mode :Tx CH Low
EUT Pol :E1 Plane

Test Site :SAC 1
Test Date :2022-04-18
Temp./Humi. :23.5/61
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Average	25.67	23.45	49.12	54.00	-4.88
11490.00	Peak	34.47	23.45	57.92	74.00	-16.08
17235.00	Peak	34.59	25.71	60.30	68.20	-7.90

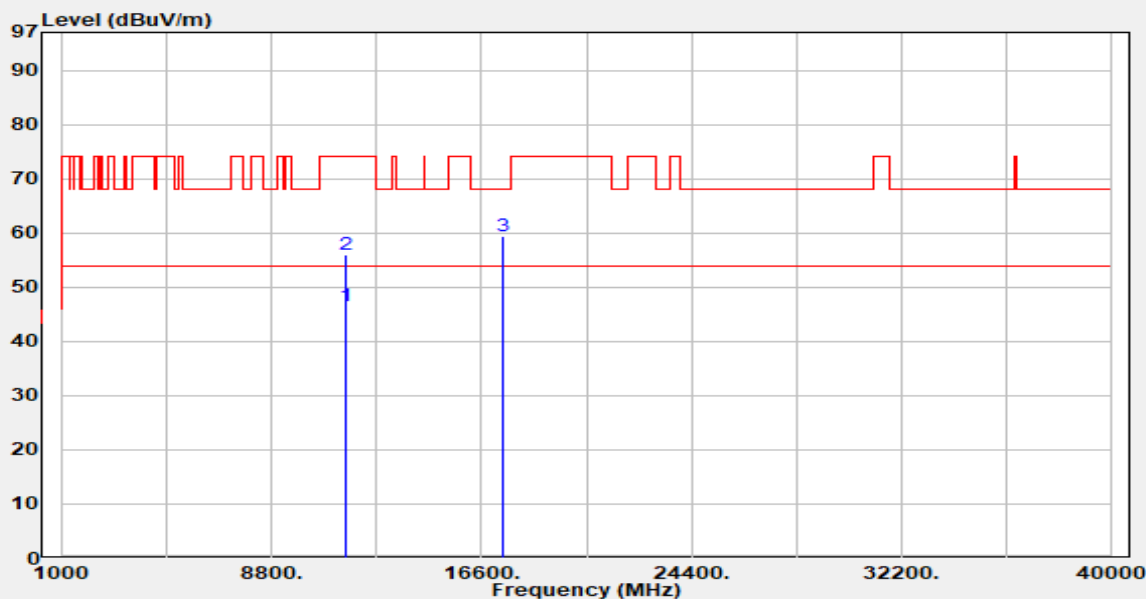
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Report Number :ER/2022/20002
 Operation Mode :802.11a
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11570.00	Average	25.11	21.42	46.53	54.00	-7.47
11570.00	Peak	34.51	21.42	55.93	74.00	-18.07
17355.00	Peak	32.52	26.78	59.30	68.20	-8.90

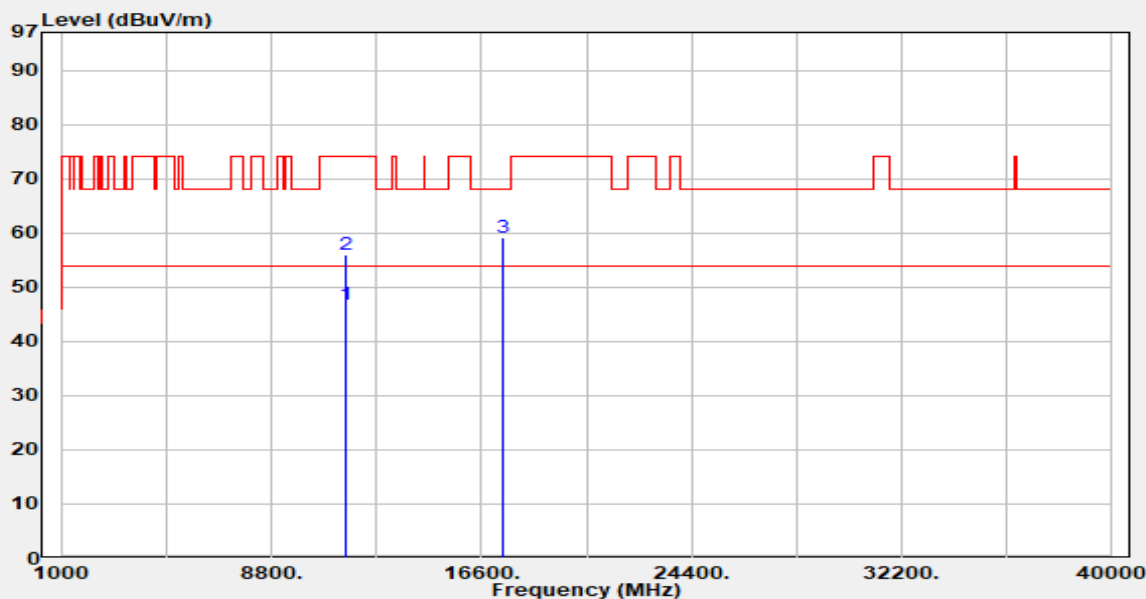
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Report Number :ER/2022/20002
 Operation Mode :802.11a
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11570.00	Average	25.34	21.42	46.76	54.00	-7.24
11570.00	Peak	34.65	21.42	56.07	74.00	-17.93
17355.00	Peak	32.47	26.78	59.24	68.20	-8.96

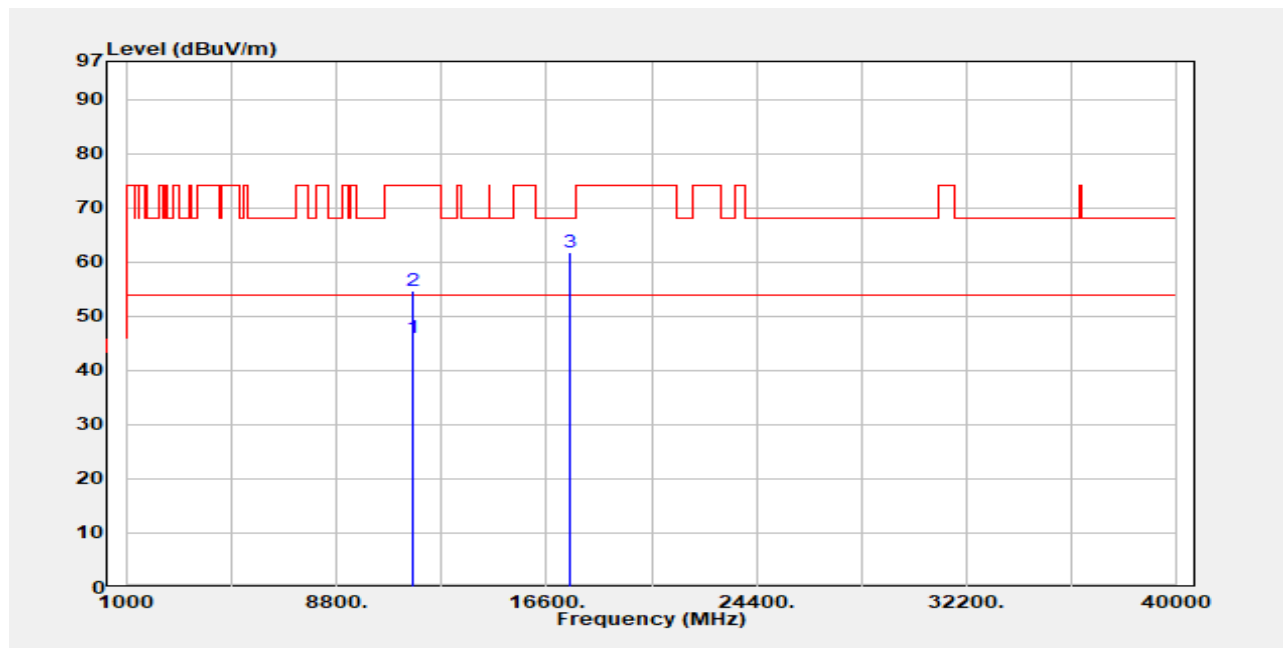
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Report Number :ER/2022/20002
Operation Mode :802.11a
Test Frequency :5825 MHz
Test Mode :Tx CH High
EUT Pol :E1 Plane

Test Site :SAC 1
Test Date :2022-04-18
Temp./Humi. :23.5/61
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.00	Average	25.17	20.72	45.89	54.00	-8.11
11650.00	Peak	33.96	20.72	54.69	74.00	-19.31
17475.00	Peak	34.09	27.65	61.74	68.20	-6.46

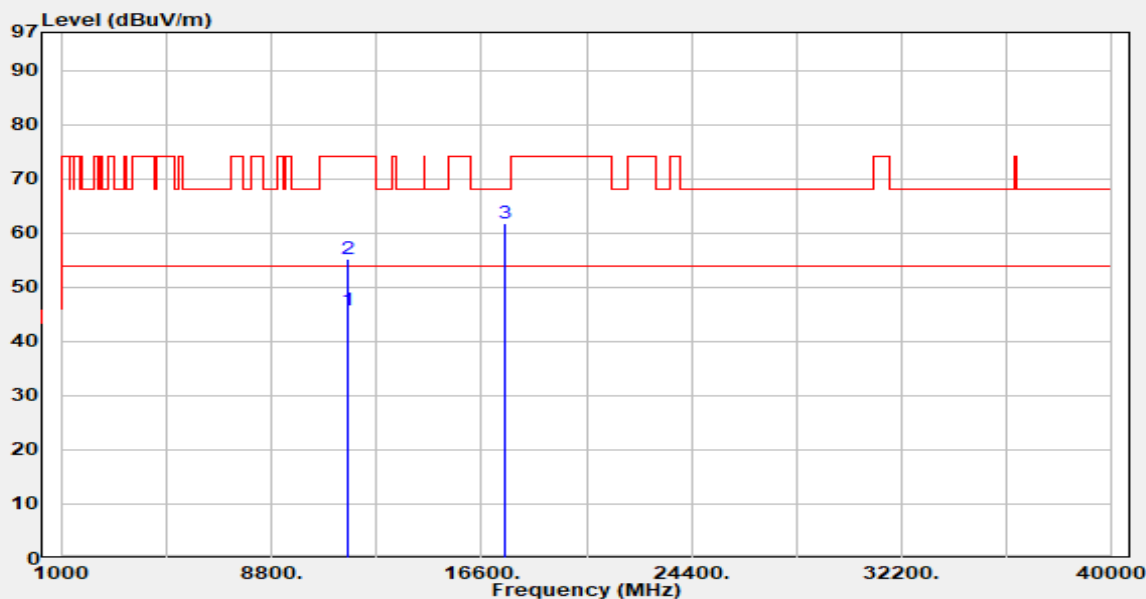
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Report Number :ER/2022/20002
Operation Mode :802.11a
Test Frequency :5825 MHz
Test Mode :Tx CH High
EUT Pol :E1 Plane

Test Site :SAC 1
Test Date :2022-04-18
Temp./Humi. :23.5/61
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.00	Average	25.13	20.72	45.85	54.00	-8.15
11650.00	Peak	34.35	20.72	55.08	74.00	-18.92
17475.00	Peak	34.06	27.65	61.70	68.20	-6.50

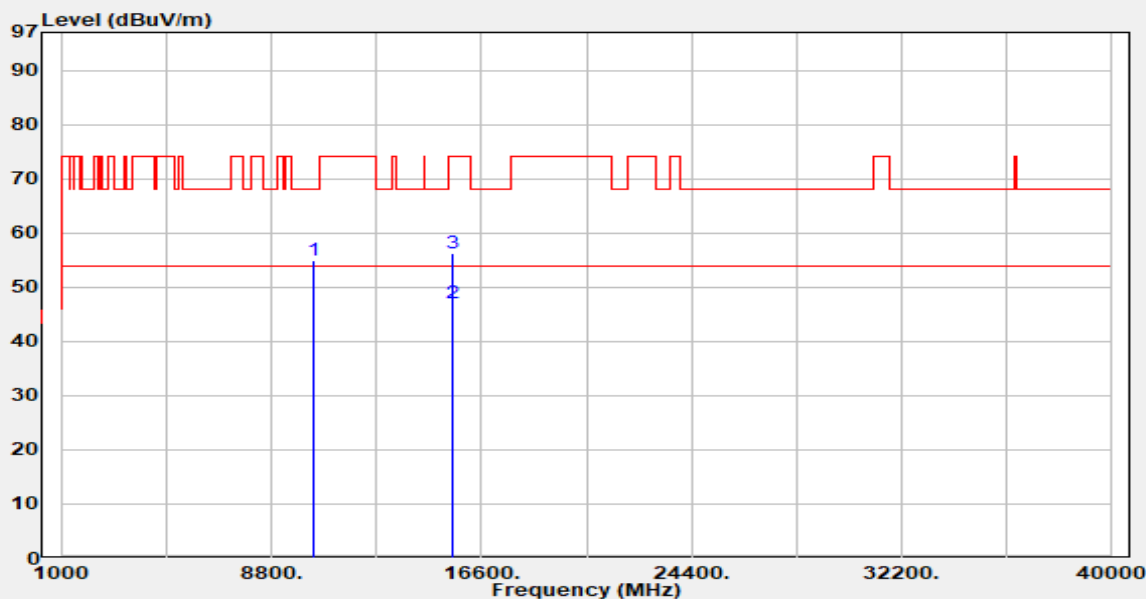
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Report Number :ER/2022/20002
 Operation Mode :802.11n20
 Test Frequency :5180 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10360.00	Peak	35.49	19.42	54.91	68.20	-13.29
15540.00	Average	24.64	22.50	47.14	54.00	-6.86
15540.00	Peak	33.80	22.50	56.29	74.00	-17.71

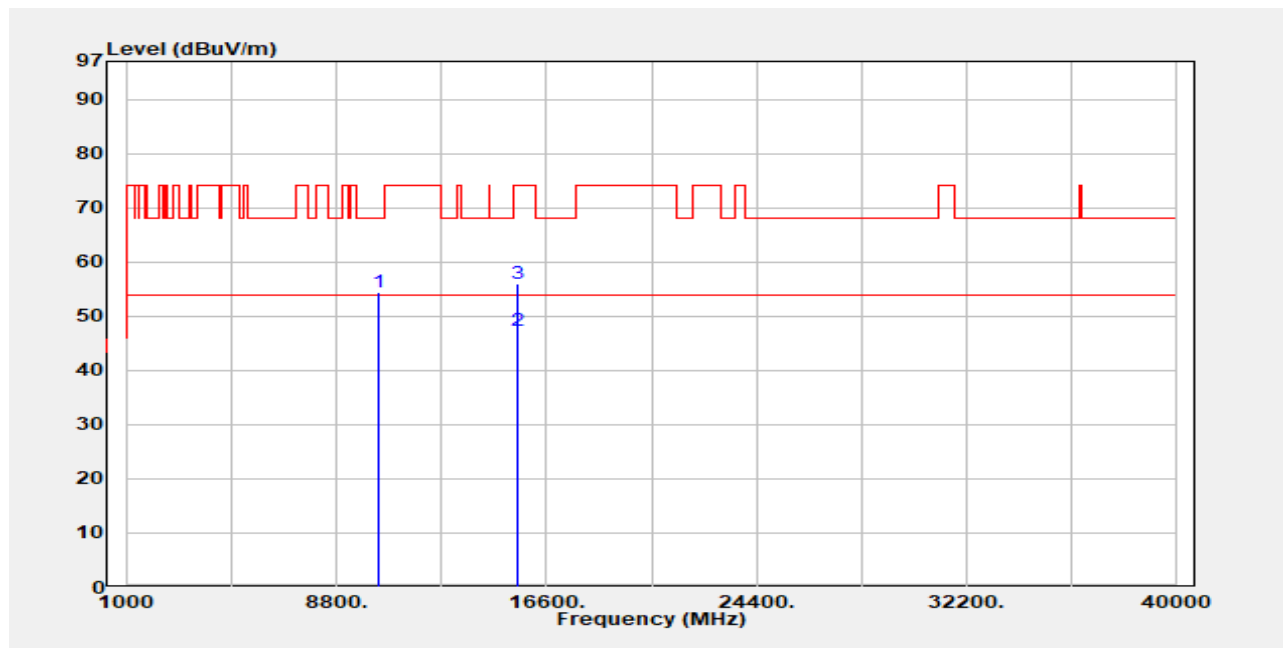
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Report Number :ER/2022/20002
 Operation Mode :802.11n20
 Test Frequency :5180 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10360.00	Peak	35.06	19.42	54.47	68.20	-13.73
15540.00	Average	24.70	22.50	47.20	54.00	-6.80
15540.00	Peak	33.52	22.50	56.02	74.00	-17.98

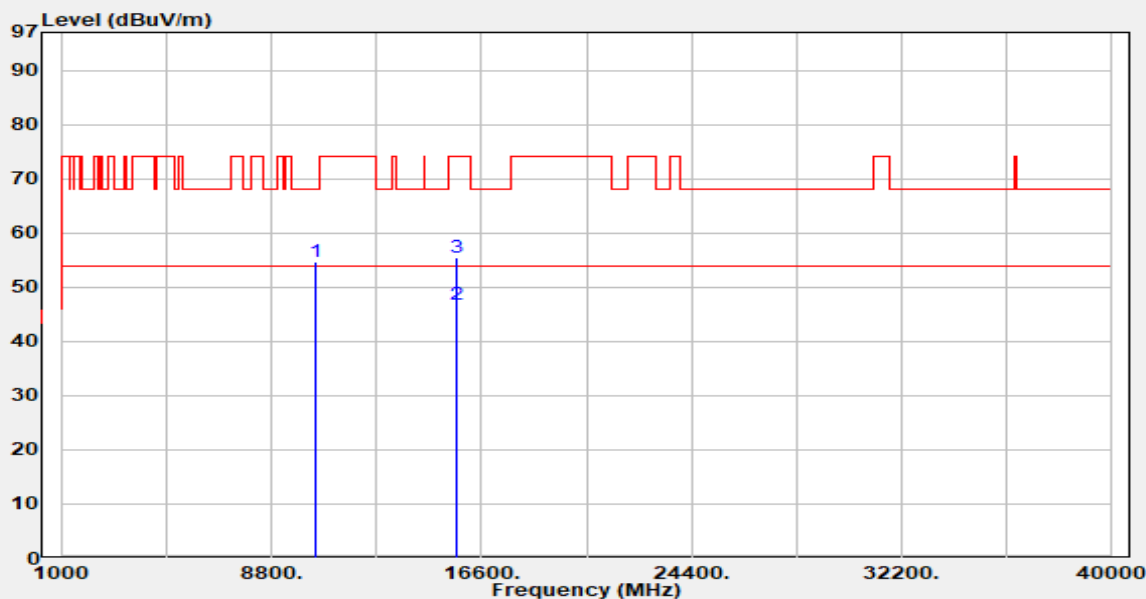
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Report Number :ER/2022/20002
 Operation Mode :802.11n20
 Test Frequency :5220 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10440.00	Peak	35.46	19.25	54.72	68.20	-13.48
15660.00	Average	25.05	21.82	46.87	54.00	-7.13
15660.00	Peak	33.75	21.82	55.57	74.00	-18.43

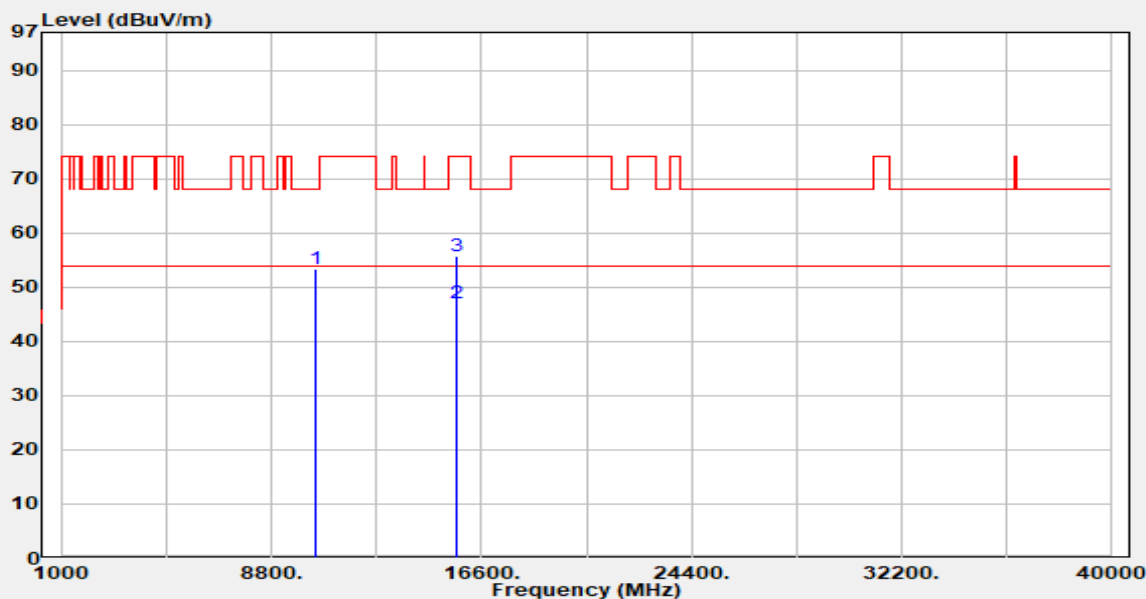
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Report Number :ER/2022/20002
 Operation Mode :802.11n20
 Test Frequency :5220 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10440.00	Peak	34.16	19.25	53.41	68.20	-14.79
15660.00	Average	25.26	21.82	47.08	54.00	-6.92
15660.00	Peak	33.89	21.82	55.71	74.00	-18.29

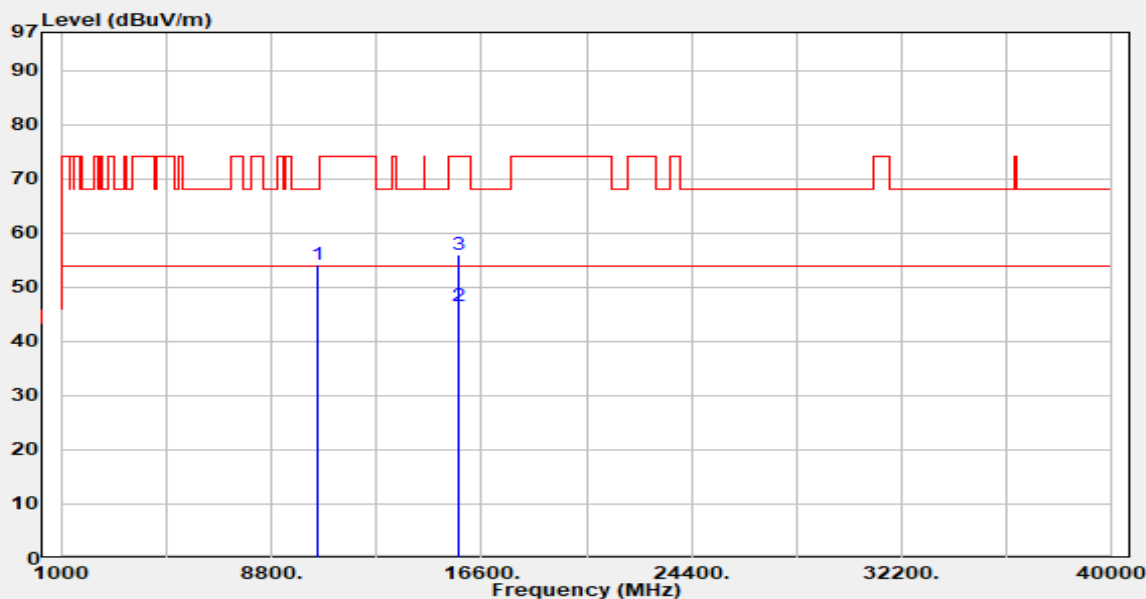
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Report Number :ER/2022/20002
 Operation Mode :802.11n20
 Test Frequency :5240 MHz
 Test Mode :Tx CH High
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10480.00	Peak	34.14	20.01	54.15	68.20	-14.05
15720.00	Average	25.05	21.53	46.58	54.00	-7.42
15720.00	Peak	34.57	21.53	56.10	74.00	-17.90

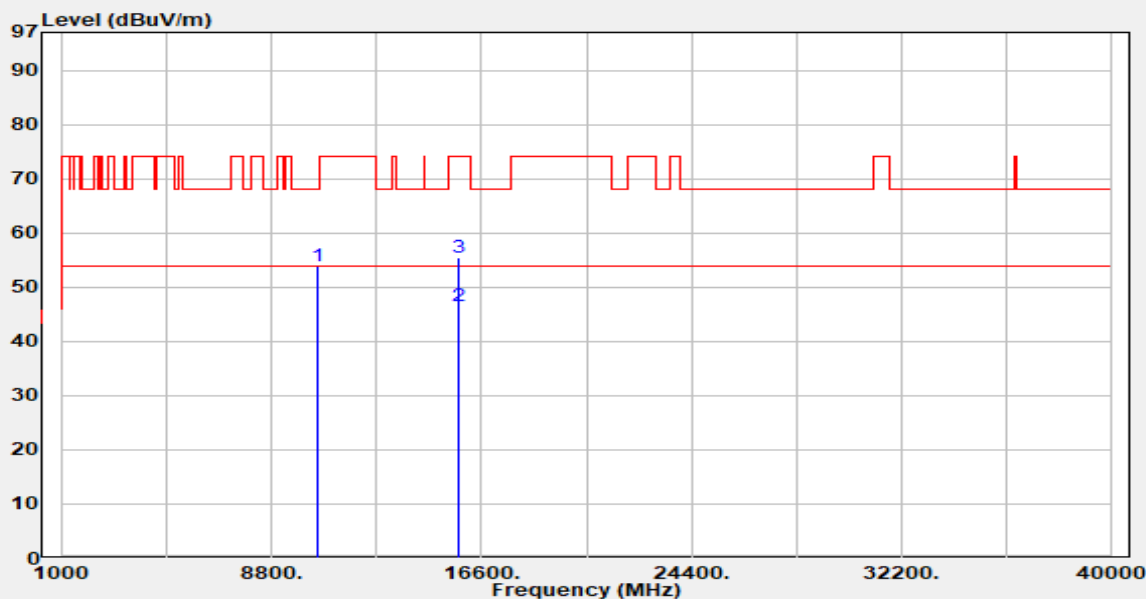
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Report Number :ER/2022/20002
 Operation Mode :802.11n20
 Test Frequency :5240 MHz
 Test Mode :Tx CH High
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10480.00	Peak	33.87	20.01	53.87	68.20	-14.33
15720.00	Average	25.10	21.53	46.63	54.00	-7.37
15720.00	Peak	33.86	21.53	55.38	74.00	-18.62

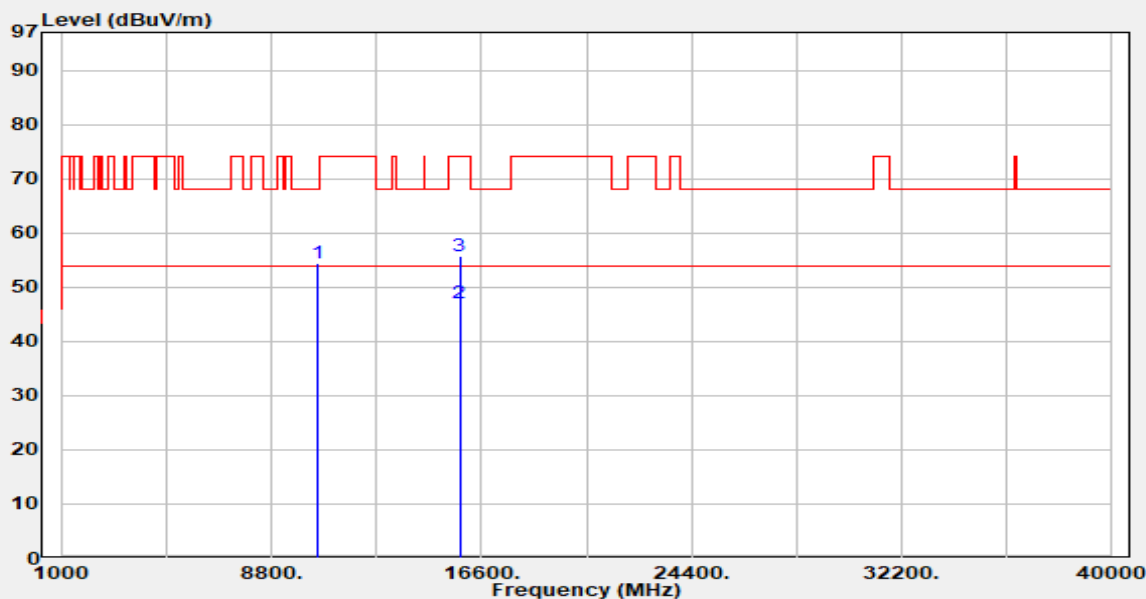
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Report Number :ER/2022/20002
 Operation Mode :802.11n20
 Test Frequency :5260 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10520.00	Peak	34.47	19.92	54.39	68.20	-13.81
15780.00	Average	25.28	21.74	47.02	54.00	-6.98
15780.00	Peak	33.86	21.74	55.61	74.00	-18.39

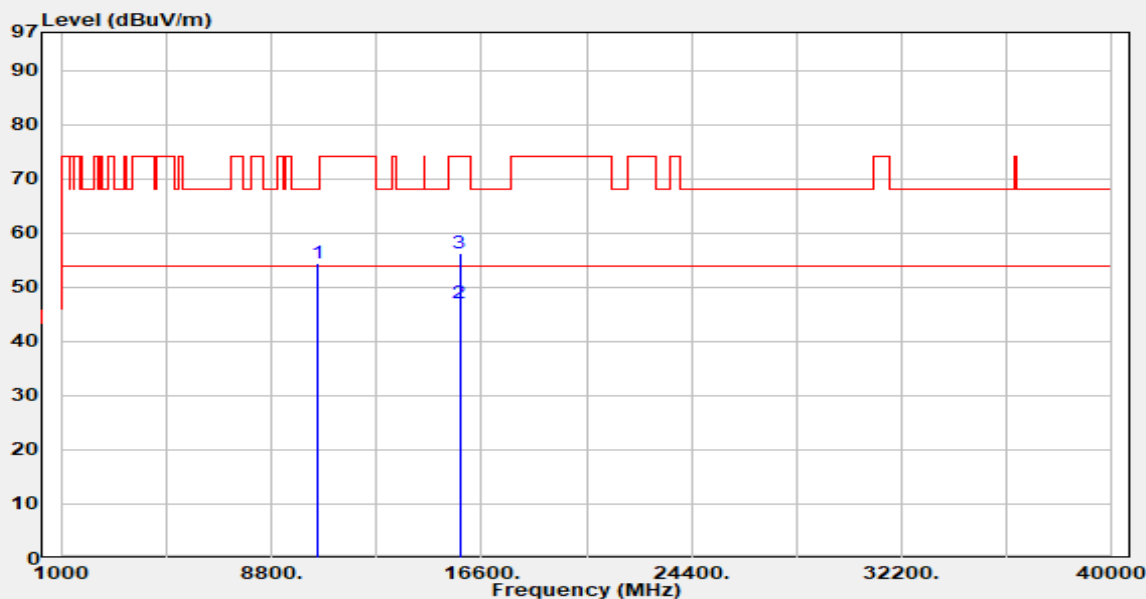
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Report Number :ER/2022/20002
 Operation Mode :802.11n20
 Test Frequency :5260 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10520.00	Peak	34.46	19.92	54.37	68.20	-13.83
15780.00	Average	25.20	21.74	46.94	54.00	-7.06
15780.00	Peak	34.54	21.74	56.29	74.00	-17.71

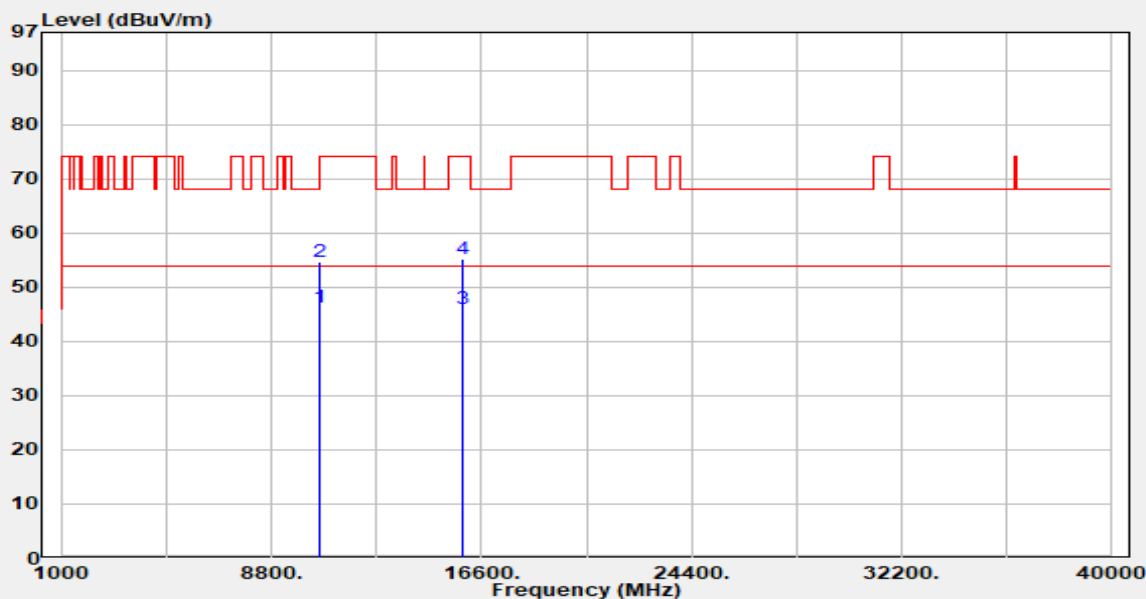
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Report Number :ER/2022/20002
 Operation Mode :802.11n20
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10600.00	Average	26.37	19.99	46.36	54.00	-7.64
10600.00	Peak	34.67	19.99	54.66	74.00	-19.34
15900.00	Average	25.09	20.90	45.99	54.00	-8.01
15900.00	Peak	34.29	20.90	55.19	74.00	-18.81

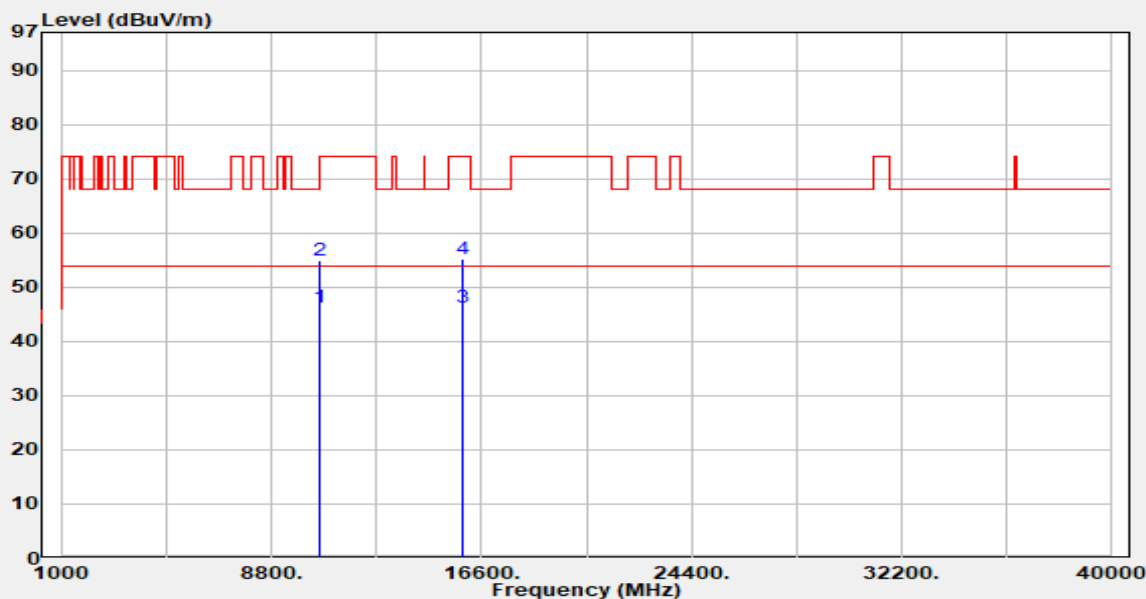
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Report Number :ER/2022/20002
 Operation Mode :802.11n20
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10600.00	Average	26.33	19.99	46.32	54.00	-7.68
10600.00	Peak	35.01	19.99	55.00	74.00	-19.00
15900.00	Average	25.29	20.90	46.19	54.00	-7.81
15900.00	Peak	34.40	20.90	55.30	74.00	-18.70

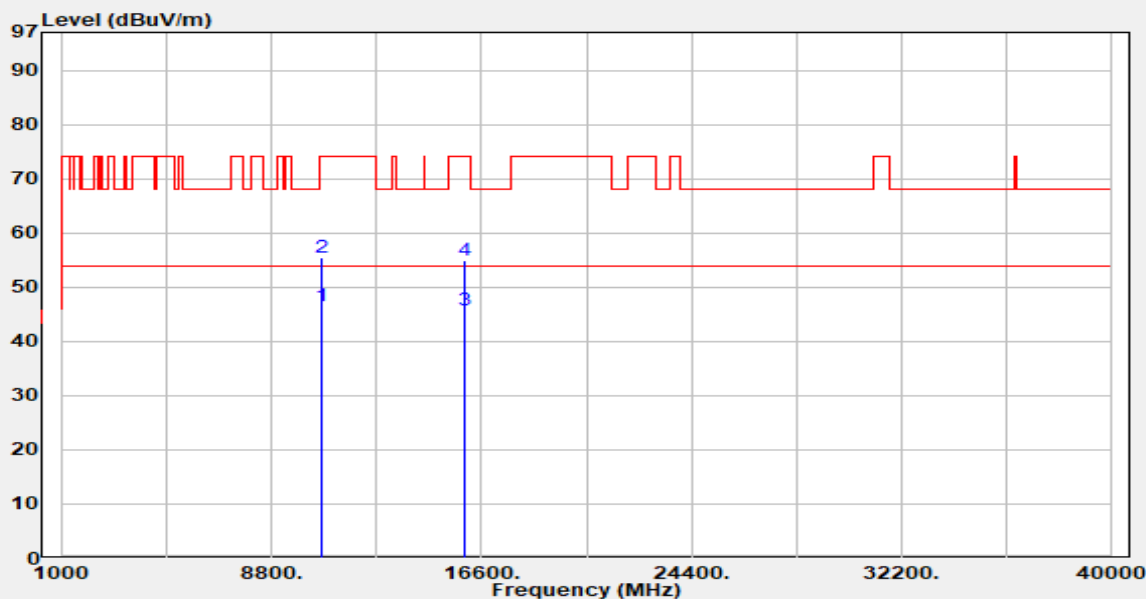
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Report Number :ER/2022/20002
 Operation Mode :802.11n20
 Test Frequency :5320 MHz
 Test Mode :Tx CH High
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10640.00	Average	26.29	20.18	46.47	54.00	-7.53
10640.00	Peak	35.18	20.18	55.35	74.00	-18.65
15960.00	Average	25.21	20.66	45.87	54.00	-8.13
15960.00	Peak	34.16	20.66	54.82	74.00	-19.18

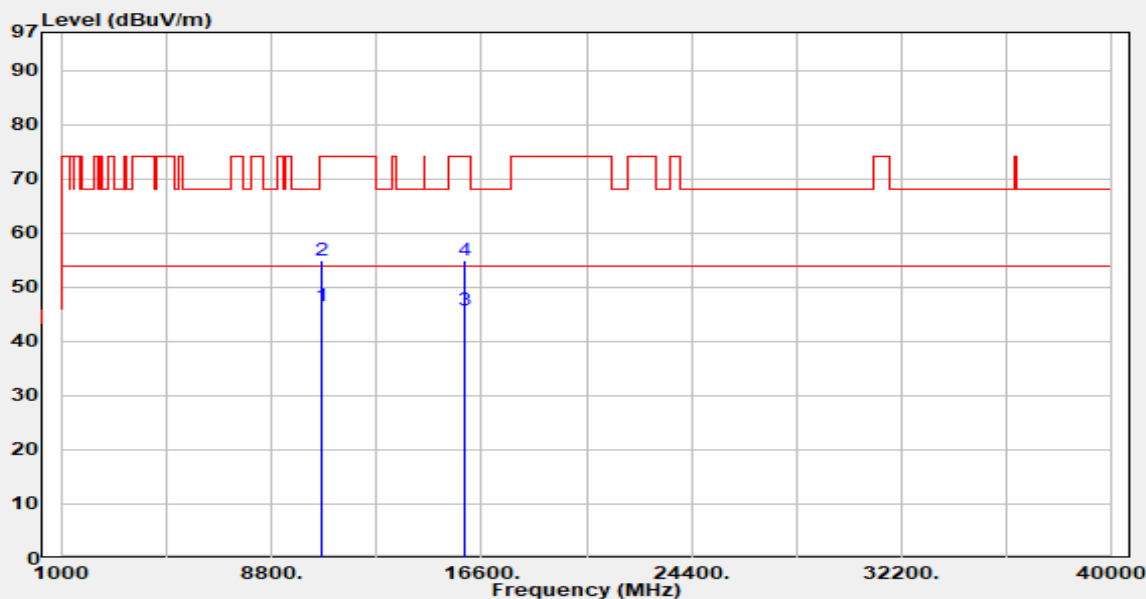
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Report Number :ER/2022/20002
 Operation Mode :802.11n20
 Test Frequency :5320 MHz
 Test Mode :Tx CH High
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10640.00	Average	26.32	20.18	46.50	54.00	-7.50
10640.00	Peak	34.75	20.18	54.92	74.00	-19.08
15960.00	Average	25.16	20.66	45.82	54.00	-8.18
15960.00	Peak	34.26	20.66	54.91	74.00	-19.09

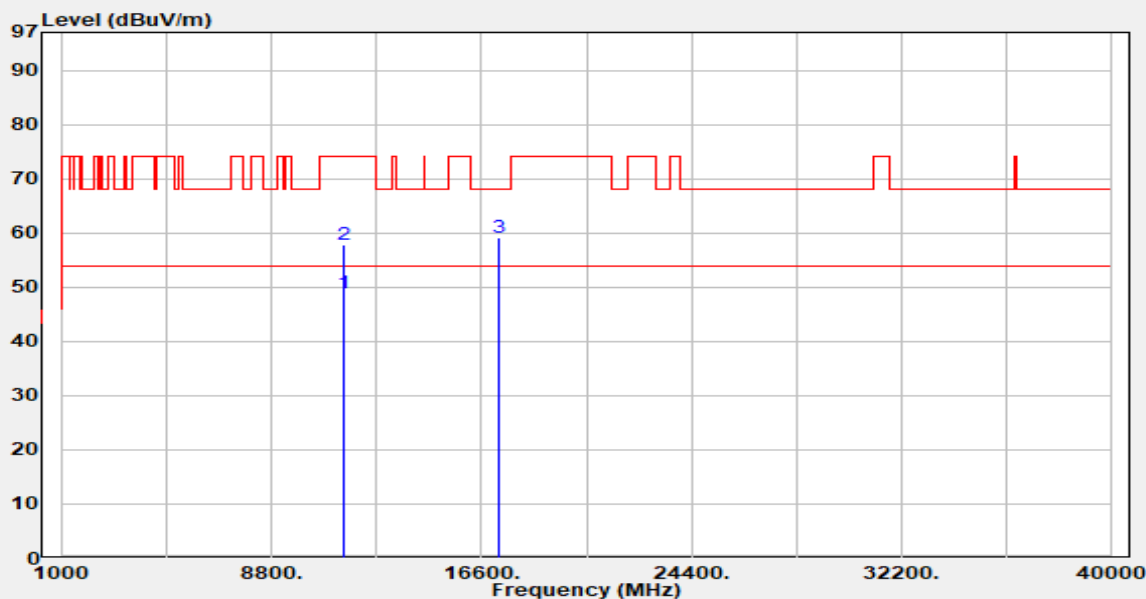
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Report Number :ER/2022/20002
 Operation Mode :802.11n20
 Test Frequency :5745 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11490.00	Average	25.43	23.45	48.88	54.00	-5.12
11490.00	Peak	34.29	23.45	57.74	74.00	-16.26
17235.00	Peak	33.41	25.71	59.12	68.20	-9.08

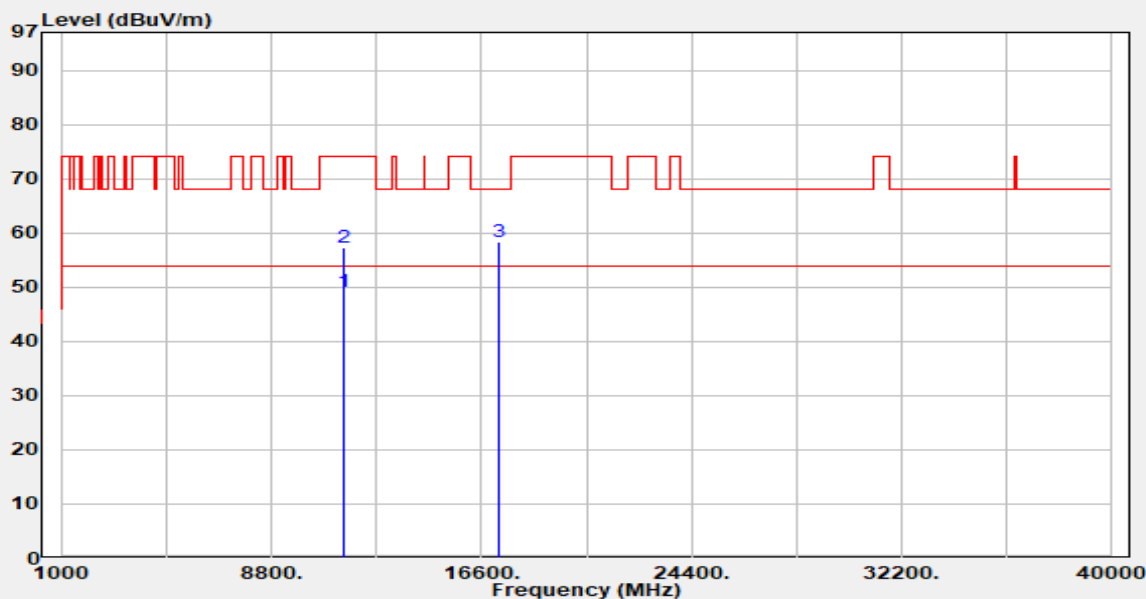
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Report Number :ER/2022/20002
 Operation Mode :802.11n20
 Test Frequency :5745 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11490.00	Average	25.73	23.45	49.18	54.00	-4.82
11490.00	Peak	33.74	23.45	57.19	74.00	-16.81
17235.00	Peak	32.62	25.71	58.33	68.20	-9.87

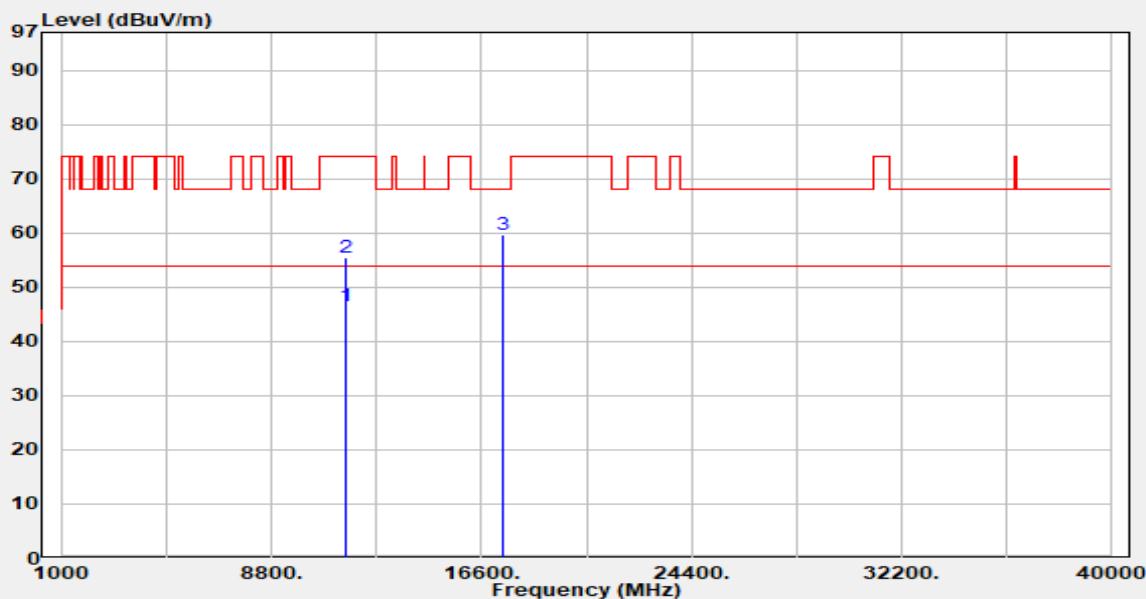
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Report Number :ER/2022/20002
 Operation Mode :802.11n20
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11570.00	Average	25.18	21.42	46.60	54.00	-7.40
11570.00	Peak	34.03	21.42	55.44	74.00	-18.56
17355.00	Peak	32.82	26.78	59.60	68.20	-8.60

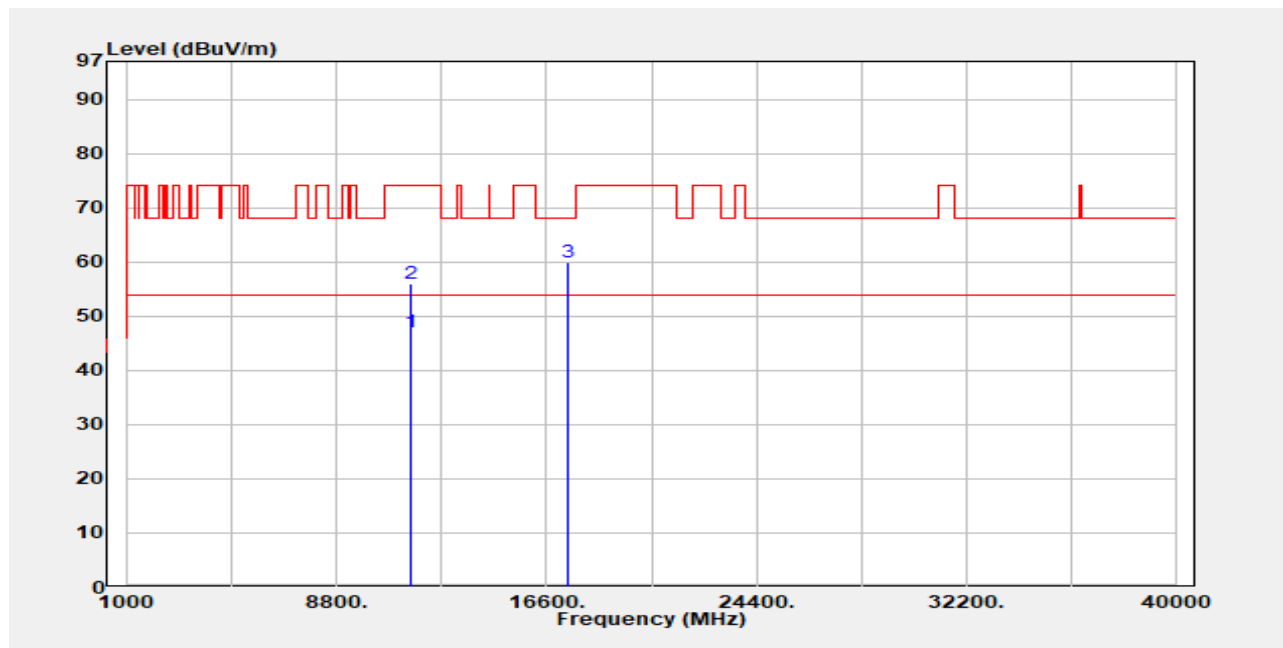
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Report Number :ER/2022/20002
 Operation Mode :802.11n20
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11570.00	Average	25.51	21.42	46.93	54.00	-7.07
11570.00	Peak	34.63	21.42	56.04	74.00	-17.96
17355.00	Peak	33.06	26.78	59.84	68.20	-8.36

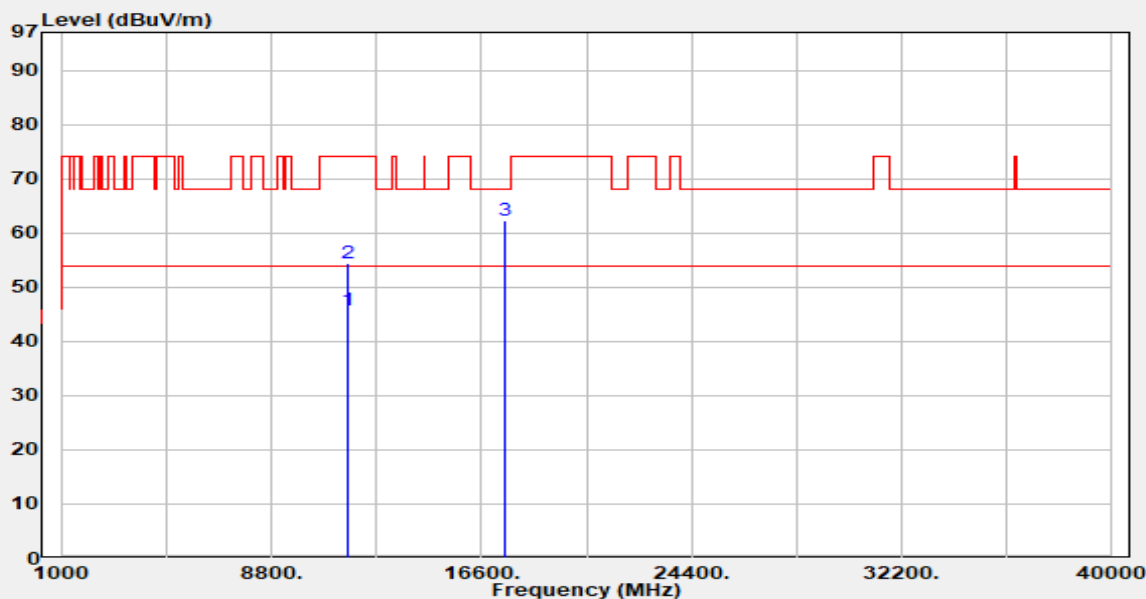
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Report Number :ER/2022/20002
 Operation Mode :802.11n20
 Test Frequency :5825 MHz
 Test Mode :Tx CH High
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11650.00	Average	24.96	20.72	45.68	54.00	-8.32
11650.00	Peak	33.56	20.72	54.28	74.00	-19.72
17475.00	Peak	34.73	27.65	62.38	68.20	-5.82

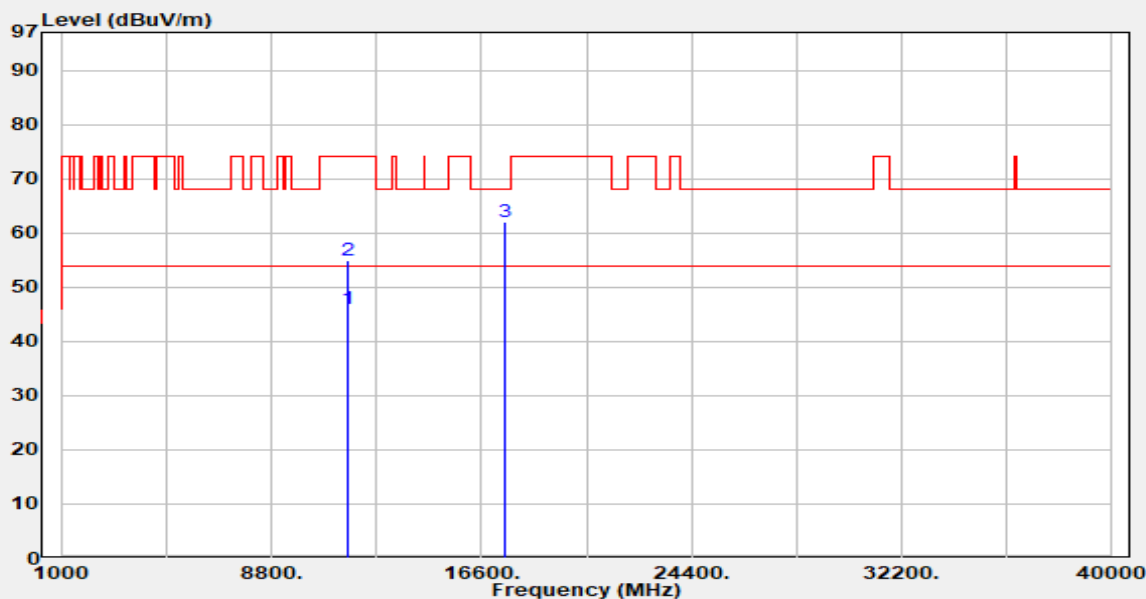
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Report Number :ER/2022/20002
 Operation Mode :802.11n20
 Test Frequency :5825 MHz
 Test Mode :Tx CH High
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11650.00	Average	25.26	20.72	45.98	54.00	-8.02
11650.00	Peak	34.13	20.72	54.86	74.00	-19.14
17475.00	Peak	34.48	27.65	62.13	68.20	-6.07

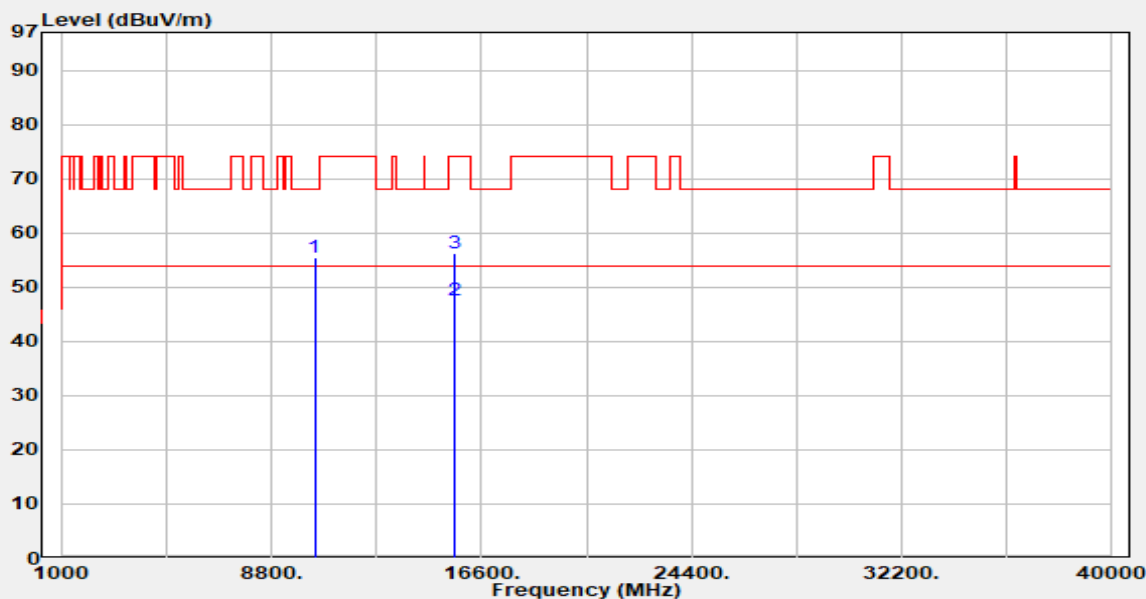
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Report Number :ER/2022/20002
 Operation Mode :802.11n40
 Test Frequency :5190 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10380.00	Peak	34.69	20.90	55.59	68.20	-12.61
15570.00	Average	24.88	22.71	47.59	54.00	-6.41
15570.00	Peak	33.51	22.71	56.22	74.00	-17.78

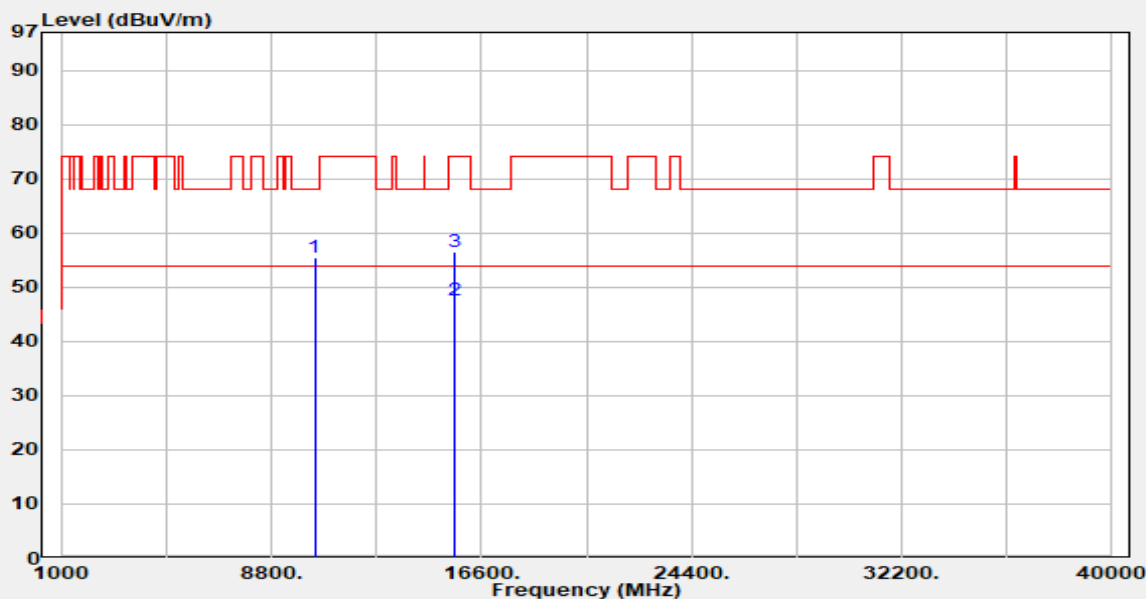
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Report Number :ER/2022/20002
 Operation Mode :802.11n40
 Test Frequency :5190 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10380.00	Peak	34.65	20.90	55.56	68.20	-12.64
15570.00	Average	24.95	22.71	47.66	54.00	-6.34
15570.00	Peak	33.78	22.71	56.49	74.00	-17.51

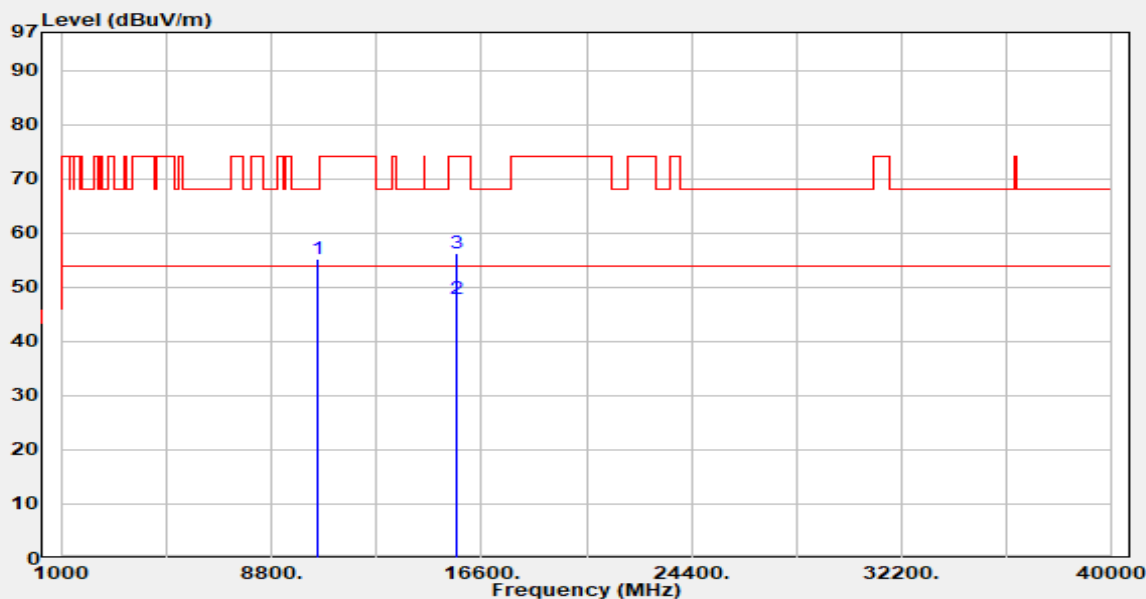
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Report Number :ER/2022/20002
 Operation Mode :802.11n40
 Test Frequency :5230 MHz
 Test Mode :Tx CH High
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10460.00	Peak	35.38	19.89	55.27	68.20	-12.93
15690.00	Average	25.55	22.26	47.81	54.00	-6.19
15690.00	Peak	33.90	22.26	56.16	74.00	-17.84

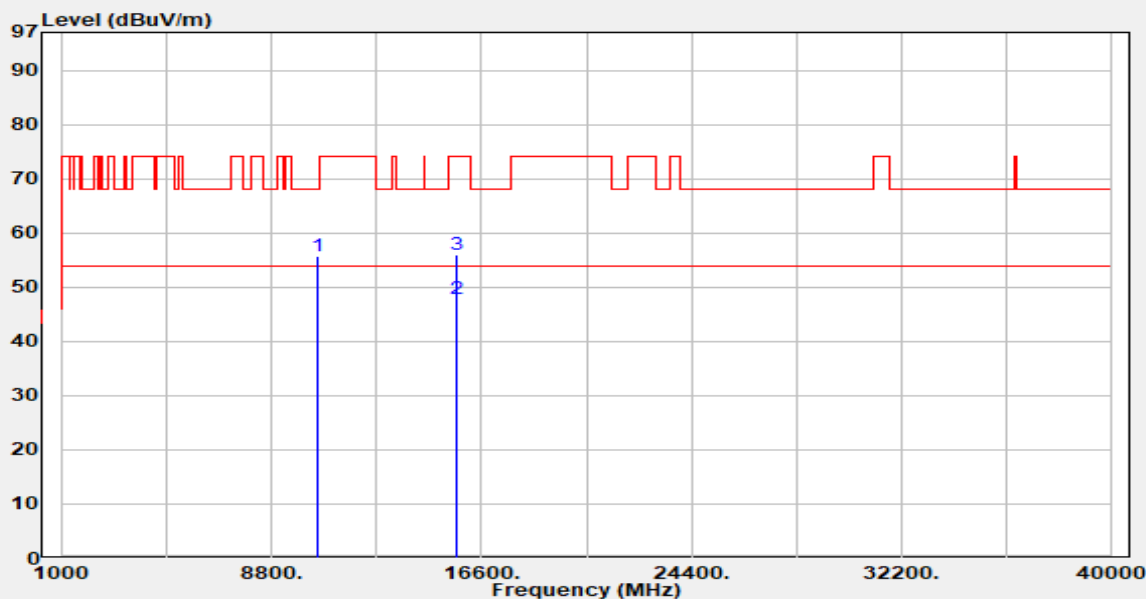
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Report Number :ER/2022/20002
 Operation Mode :802.11n40
 Test Frequency :5230 MHz
 Test Mode :Tx CH High
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10460.00	Peak	35.82	19.89	55.72	68.20	-12.48
15690.00	Average	25.58	22.26	47.84	54.00	-6.16
15690.00	Peak	33.84	22.26	56.10	74.00	-17.90

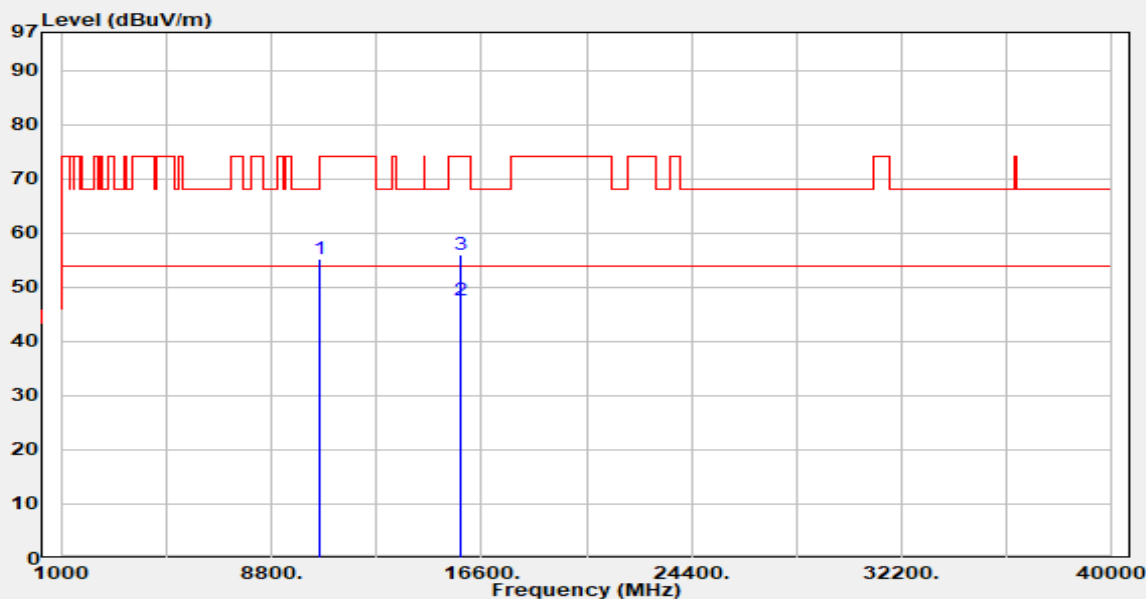
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Report Number :ER/2022/20002
 Operation Mode :802.11n40
 Test Frequency :5270 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10540.00	Peak	34.84	20.38	55.22	68.20	-12.98
15810.00	Average	25.50	22.16	47.66	54.00	-6.34
15810.00	Peak	33.90	22.16	56.06	74.00	-17.94

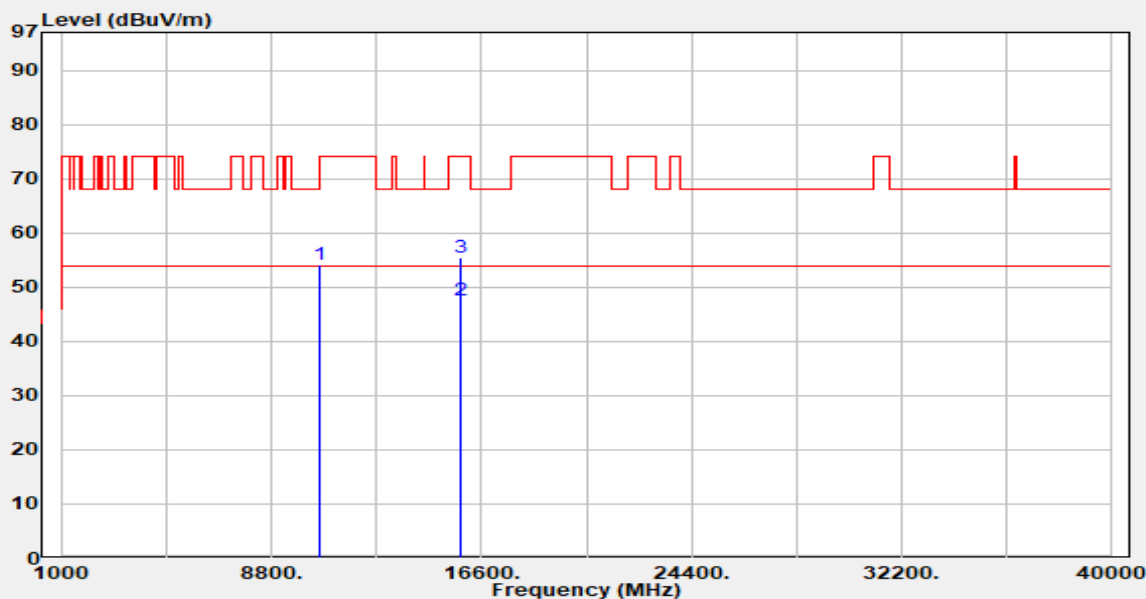
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Report Number :ER/2022/20002
 Operation Mode :802.11n40
 Test Frequency :5270 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10540.00	Peak	33.78	20.38	54.17	68.20	-14.03
15810.00	Average	25.54	22.16	47.70	54.00	-6.30
15810.00	Peak	33.38	22.16	55.55	74.00	-18.45

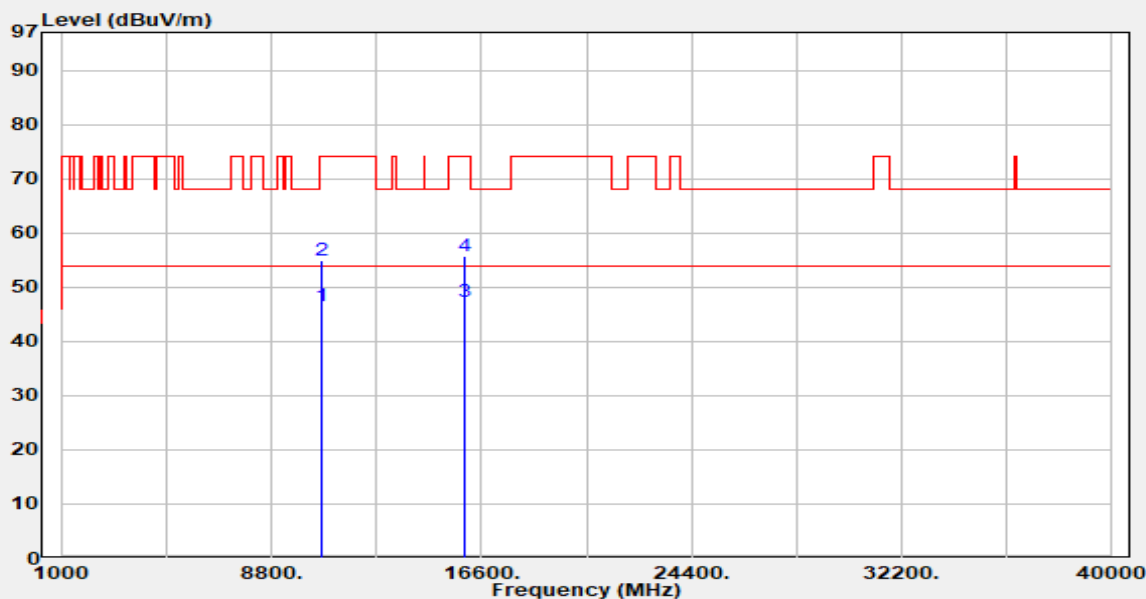
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Report Number :ER/2022/20002
 Operation Mode :802.11n40
 Test Frequency :5310 MHz
 Test Mode :Tx CH High
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10620.00	Average	26.43	19.98	46.41	54.00	-7.59
10620.00	Peak	34.85	19.98	54.83	74.00	-19.17
15930.00	Average	25.47	21.95	47.42	54.00	-6.58
15930.00	Peak	33.78	21.95	55.72	74.00	-18.28

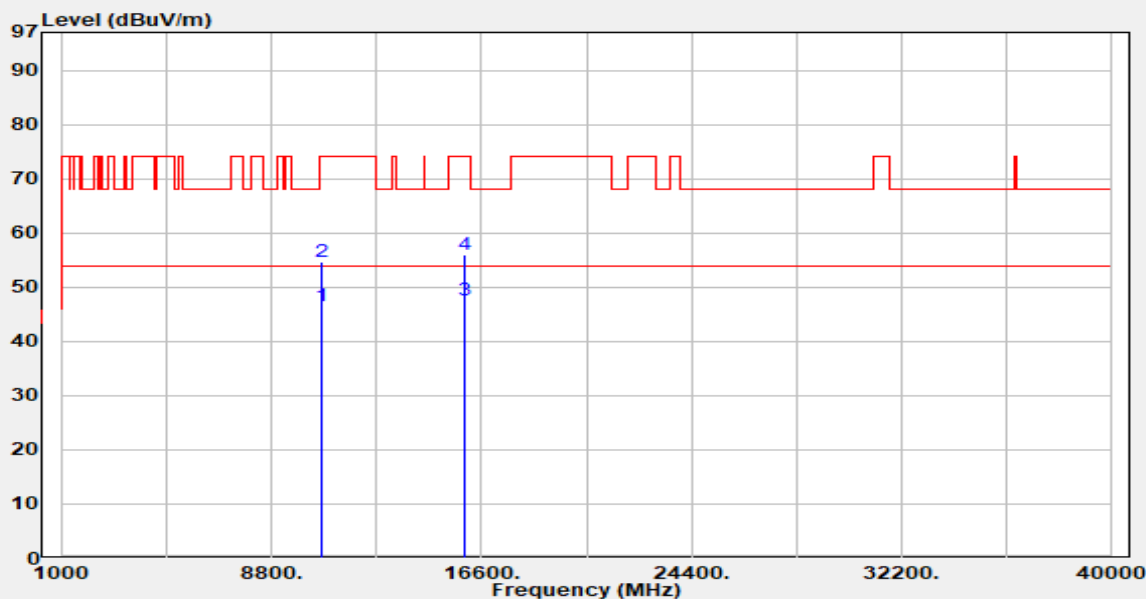
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Report Number :ER/2022/20002
 Operation Mode :802.11n40
 Test Frequency :5310 MHz
 Test Mode :Tx CH High
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10620.00	Average	26.64	19.98	46.62	54.00	-7.38
10620.00	Peak	34.60	19.98	54.58	74.00	-19.42
15930.00	Average	25.67	21.95	47.62	54.00	-6.38
15930.00	Peak	34.00	21.95	55.95	74.00	-18.05

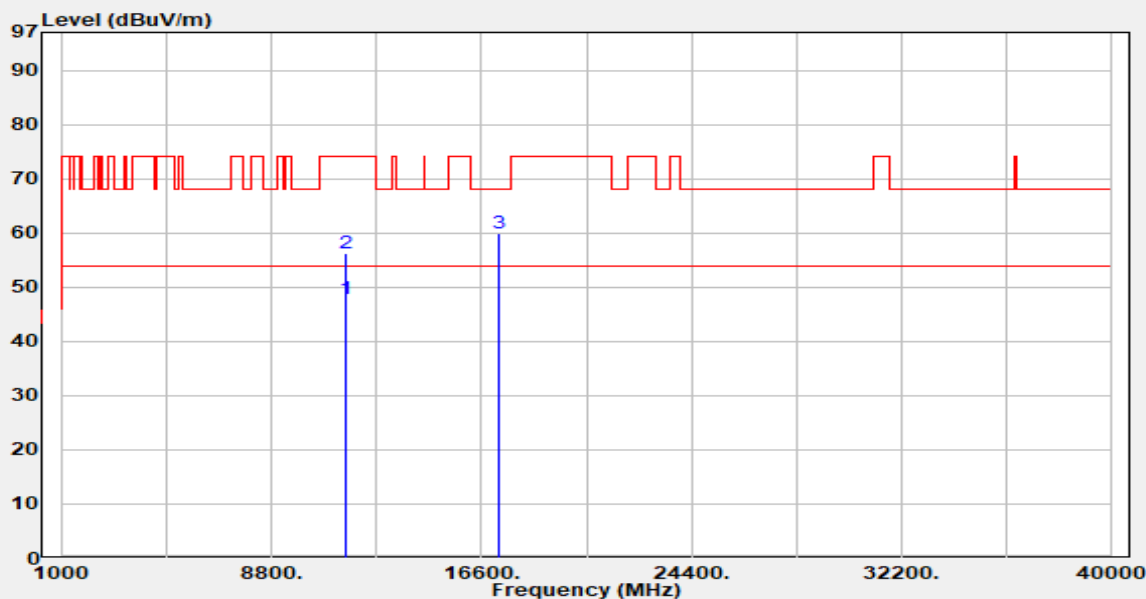
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Report Number :ER/2022/20002
 Operation Mode :802.11n40
 Test Frequency :5755 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11510.00	Average	25.81	22.16	47.97	54.00	-6.03
11510.00	Peak	33.98	22.16	56.13	74.00	-17.87
17265.00	Peak	33.02	27.00	60.02	68.20	-8.18

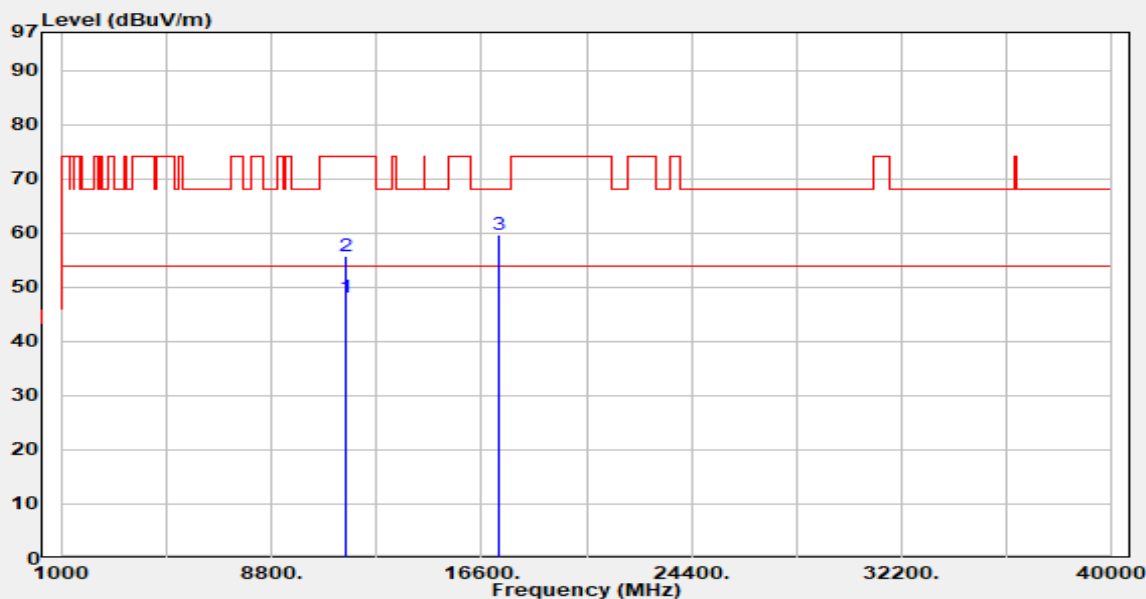
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Report Number :ER/2022/20002
 Operation Mode :802.11n40
 Test Frequency :5755 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11510.00	Average	25.83	22.16	47.99	54.00	-6.01
11510.00	Peak	33.53	22.16	55.69	74.00	-18.31
17265.00	Peak	32.68	27.00	59.68	68.20	-8.52

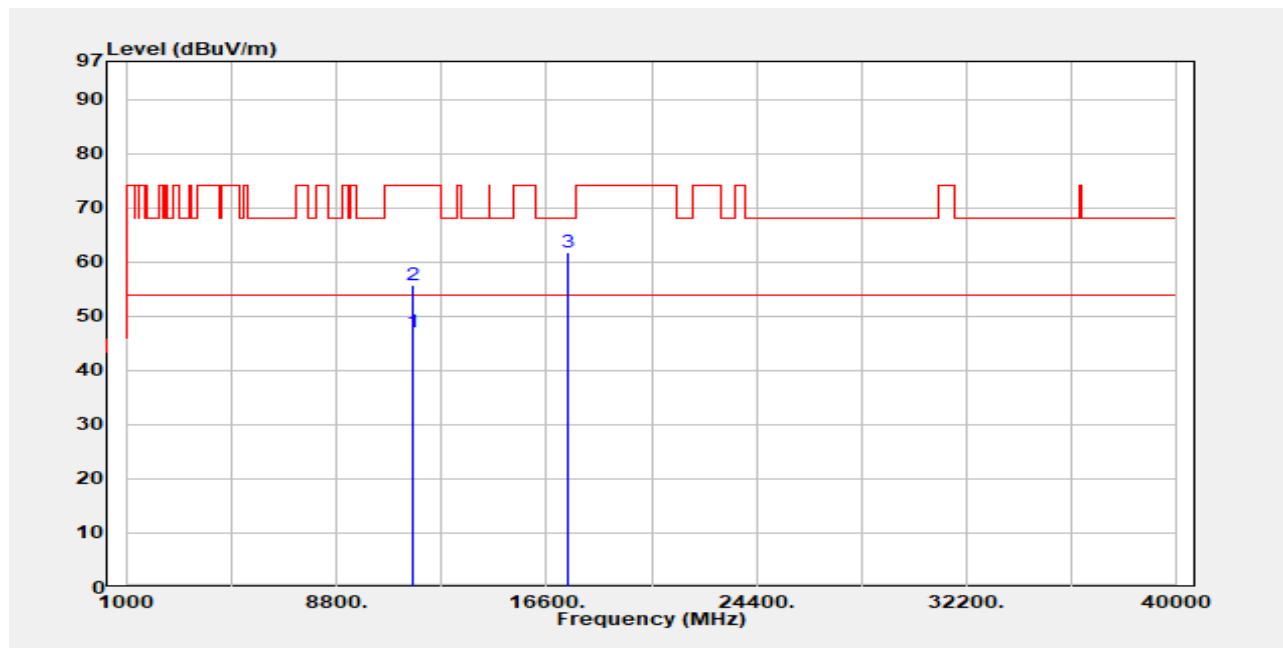
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Report Number :ER/2022/20002
 Operation Mode :802.11n40
 Test Frequency :5795 MHz
 Test Mode :Tx CH High
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11590.00	Average	25.47	21.56	47.03	54.00	-6.97
11590.00	Peak	34.08	21.56	55.64	74.00	-18.36
17385.00	Peak	33.72	27.92	61.64	68.20	-6.56

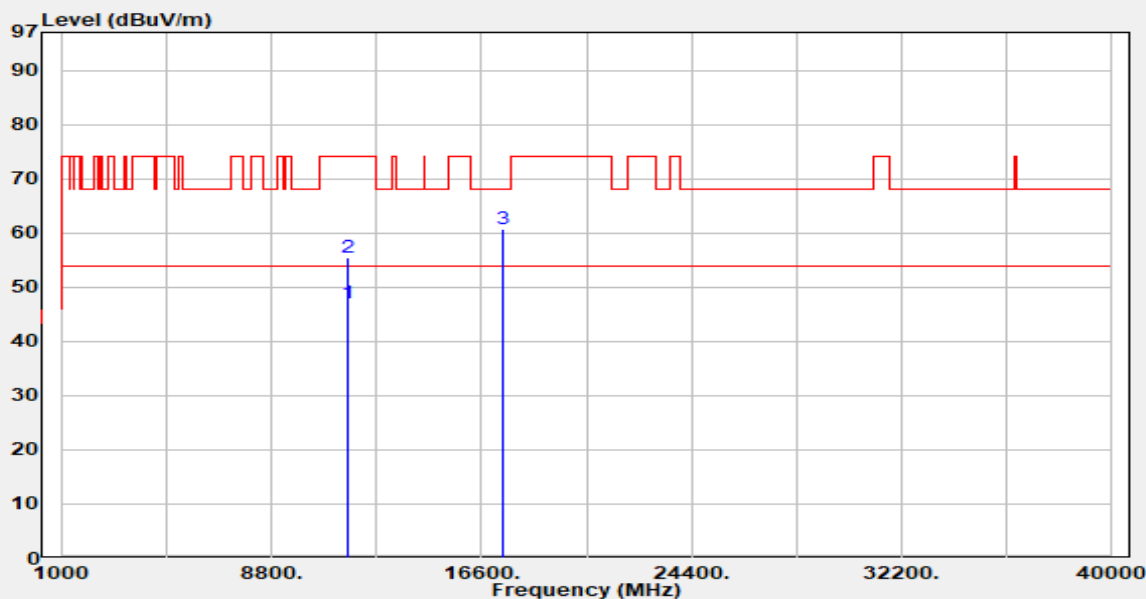
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Report Number :ER/2022/20002
 Operation Mode :802.11n40
 Test Frequency :5795 MHz
 Test Mode :Tx CH High
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11590.00	Average	25.54	21.56	47.10	54.00	-6.90
11590.00	Peak	33.93	21.56	55.49	74.00	-18.51
17385.00	Peak	32.89	27.92	60.81	68.20	-7.39

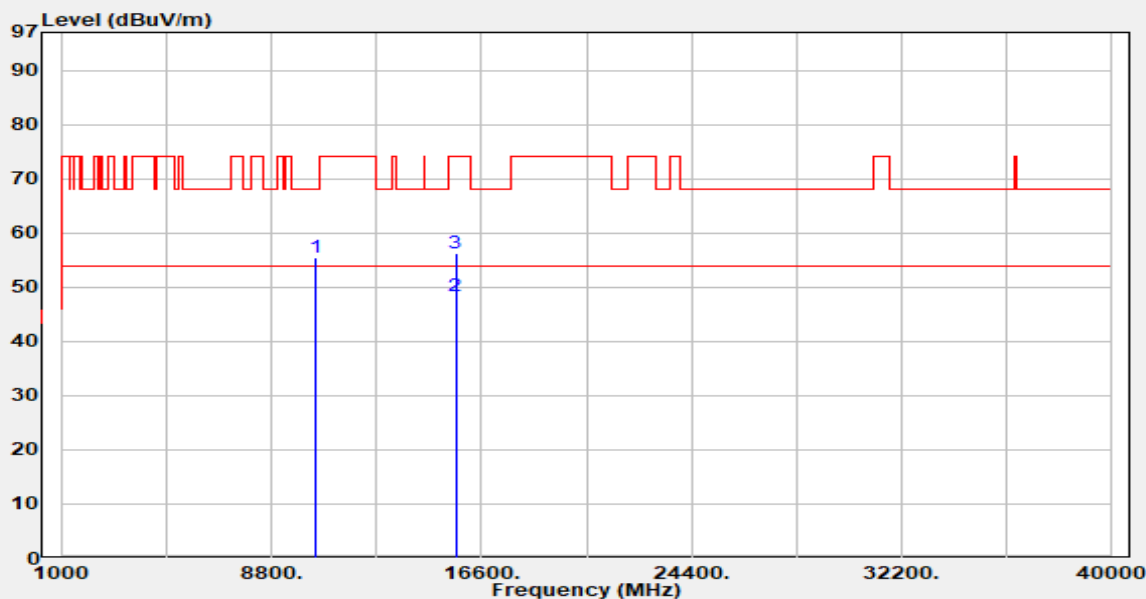
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Report Number :ER/2022/20002
 Operation Mode :802.11ac80
 Test Frequency :5210 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10420.00	Peak	35.18	20.23	55.41	68.20	-12.79
15630.00	Average	26.17	22.13	48.30	54.00	-5.70
15630.00	Peak	34.14	22.13	56.27	74.00	-17.73

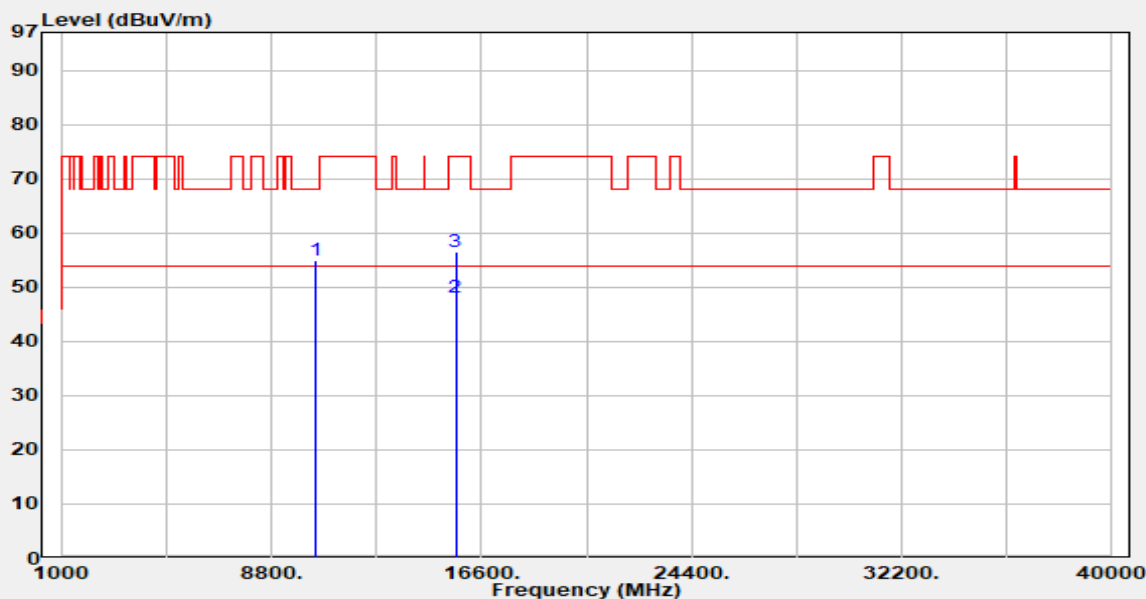
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Report Number :ER/2022/20002
 Operation Mode :802.11ac80
 Test Frequency :5210 MHz
 Test Mode :Tx CH Low
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10420.00	Peak	34.66	20.23	54.89	68.20	-13.31
15630.00	Average	26.08	22.13	48.21	54.00	-5.79
15630.00	Peak	34.37	22.13	56.50	74.00	-17.50

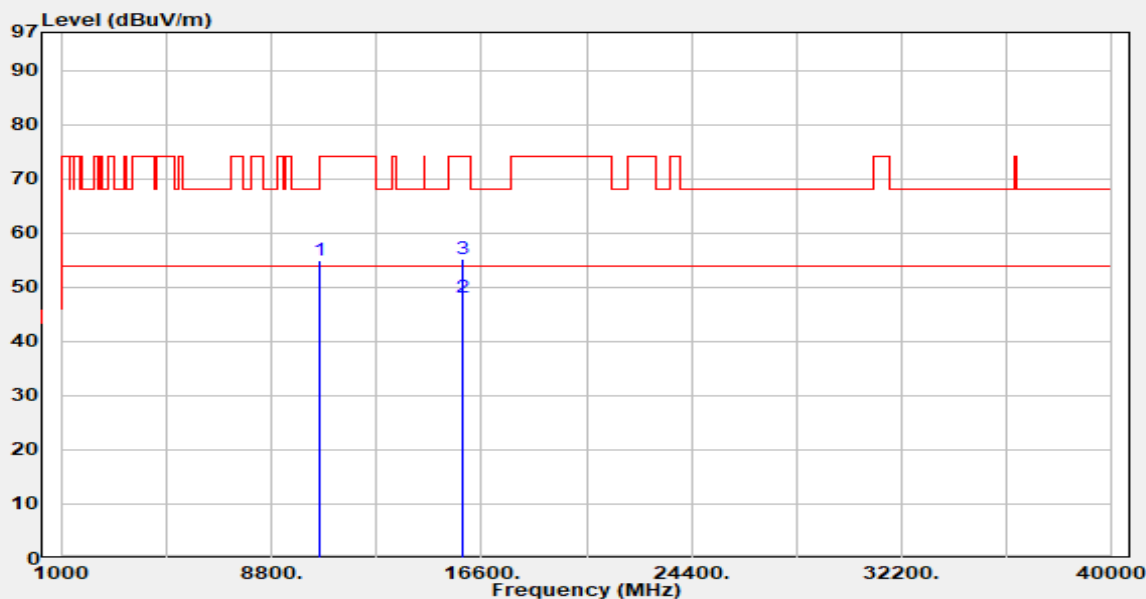
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Report Number :ER/2022/20002
 Operation Mode :802.11ac80
 Test Frequency :5290 MHz
 Test Mode :Tx CH High
 EUT Pol :E1 Plane

Test Site :SAC 1
 Test Date :2022-04-18
 Temp./Humi. :23.5/61
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10580.00	Peak	34.99	19.83	54.82	68.20	-13.38
15870.00	Average	26.24	21.84	48.08	54.00	-5.92
15870.00	Peak	33.32	21.84	55.16	74.00	-18.84

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