

Ant.1

802.11n\_HT20 (UNII 3)

■ TEST RESULTS

Conducted Output Power Measurements (802.11n\_HT20 Mode: 5745~5825)

802.11n_HT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5745	149	0	9.86	0.25	10.11	30
		1	9.56	0.46	10.02	30
		2	9.53	0.67	10.20	30
		3	9.69	0.89	10.58	30
		4	9.36	1.26	10.62	30
		5	9.13	1.48	10.61	30
		6	9.10	1.61	10.71	30
		7	8.98	1.85	10.83	30
5785	157	0	9.78	0.25	10.03	30
		1	9.53	0.46	9.99	30
		2	9.62	0.67	10.29	30
		3	9.71	0.89	10.60	30
		4	9.36	1.26	10.62	30
		5	9.09	1.48	10.57	30
		6	9.04	1.61	10.65	30
		7	8.85	1.85	10.70	30
5825	165	0	10.13	0.25	10.38	30
		1	9.87	0.46	10.34	30
		2	9.97	0.67	10.64	30
		3	10.00	0.89	10.89	30
		4	9.69	1.26	10.95	30
		5	9.44	1.48	10.92	30
		6	9.30	1.61	10.91	30
		7	9.17	1.85	11.01	30

■ TEST RESULTS\_Sum Data of Ant.0 and Ant.1 (UNII 3)

Conducted Output Power Measurements (802.11n\_HT20 Mode: 5745~5825)

802.11n_HT20 Mode		MCS Index	Sum Power of Ant.0 & 1	Limit (dBm)
Frequency [MHz]	Channel No.			
5745	149	0	13.29	30
		1	12.97	30
		2	13.37	30
		3	13.68	30
		4	13.75	30
		5	13.72	30
		6	13.78	30
		7	13.90	30
5785	157	0	12.95	30
		1	12.91	30
		2	13.19	30
		3	13.48	30
		4	13.51	30
		5	13.48	30
		6	13.52	30
		7	13.64	30
5825	165	0	13.26	30
		1	13.19	30
		2	13.48	30
		3	13.77	30
		4	13.82	30
		5	13.78	30
		6	13.76	30
		7	13.85	30

Ant.0

802.11ac\_VHT20 (UNII 1)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11ac\_VHT20 Mode: 5180~5240)

802.11ac_VHT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5180	36	0	10.08	0.25	10.33	23.98
		1	9.75	0.44	10.19	23.98
		2	9.78	0.63	10.41	23.98
		3	9.89	0.81	10.70	23.98
		4	9.61	1.12	10.73	23.98
		5	9.32	1.39	10.71	23.98
		6	9.29	1.51	10.80	23.98
		7	8.98	1.62	10.60	23.98
		8	8.84	1.90	10.74	23.98
5200	40	0	9.66	0.25	9.91	23.98
		1	9.35	0.44	9.79	23.98
		2	9.41	0.63	10.04	23.98
		3	9.55	0.81	10.36	23.98
		4	9.18	1.12	10.30	23.98
		5	8.88	1.39	10.27	23.98
		6	8.84	1.51	10.35	23.98
		7	8.66	1.62	10.28	23.98
		8	8.46	1.90	10.36	23.98
5240	48	0	9.94	0.25	10.19	23.98
		1	9.68	0.44	10.12	23.98
		2	9.67	0.63	10.30	23.98
		3	9.83	0.81	10.64	23.98
		4	9.48	1.12	10.60	23.98
		5	9.21	1.39	10.60	23.98
		6	9.13	1.51	10.64	23.98
		7	8.97	1.62	10.59	23.98
		8	8.70	1.90	10.60	23.98

Ant.1

802.11ac\_VHT20 (UNII 1)

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac\_VHT20 Mode: 5180~5240)

802.11ac_VHT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5180	36	0	9.78	0.22	10.00	23.98
		1	9.53	0.43	9.96	23.98
		2	9.45	0.63	10.08	23.98
		3	9.62	0.83	10.45	23.98
		4	9.31	1.13	10.44	23.98
		5	9.02	1.38	10.40	23.98
		6	8.91	1.53	10.44	23.98
		7	8.72	1.62	10.34	23.98
		8	8.42	1.83	10.25	23.98
5200	40	0	9.75	0.22	9.97	23.98
		1	9.45	0.43	9.88	23.98
		2	9.48	0.63	10.11	23.98
		3	9.58	0.83	10.41	23.98
		4	9.30	1.13	10.43	23.98
		5	9.07	1.38	10.45	23.98
		6	8.96	1.53	10.49	23.98
		7	8.72	1.62	10.34	23.98
		8	8.57	1.83	10.40	23.98
5240	48	0	10.06	0.22	10.28	23.98
		1	9.75	0.43	10.18	23.98
		2	9.84	0.63	10.47	23.98
		3	9.93	0.83	10.76	23.98
		4	9.59	1.13	10.72	23.98
		5	9.37	1.38	10.75	23.98
		6	9.26	1.53	10.79	23.98
		7	9.07	1.62	10.69	23.98
		8	8.87	1.83	10.70	23.98

■ TEST RESULTS\_Sum Data of Ant.0 and Ant.1 (UNII 1)

Conducted Output Power Measurements (802.11ac\_VHT20 Mode: 5180~5240)

802.11ac_VHT20 Mode		MCS Index	Sum Power of Ant.0 & 1	Limit (dBm)
Frequency [MHz]	Channel No.			
5180	36	0	13.18	23.98
		1	13.09	23.98
		2	13.26	23.98
		3	13.59	23.98
		4	13.60	23.98
		5	13.57	23.98
		6	13.63	23.98
		7	13.48	23.98
		8	13.51	23.98
5200	40	0	12.95	23.98
		1	12.85	23.98
		2	13.09	23.98
		3	13.40	23.98
		4	13.38	23.98
		5	13.37	23.98
		6	13.97	23.98
		7	13.32	23.98
		8	13.39	23.98
5240	48	0	13.25	23.98
		1	13.16	23.98
		2	13.40	23.98
		3	13.71	23.98
		4	13.67	23.98
		5	13.69	23.98
		6	13.73	23.98
		7	13.65	23.98
		8	14.20	23.98

Ant.0

802.11ac\_VHT20 (UNII 2A)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11ac\_VHT20 Mode: 5260~5320)

802.11ac_VHT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5260	52	0	9.87	0.25	10.12	23.98
		1	9.63	0.44	10.07	23.98
		2	9.56	0.63	10.19	23.98
		3	9.70	0.81	10.51	23.98
		4	9.40	1.12	10.52	23.98
		5	9.10	1.39	10.49	23.98
		6	9.03	1.51	10.54	23.98
		7	8.85	1.62	10.47	23.98
		8	8.62	1.90	10.52	23.98
5300	60	0	10.05	0.25	10.30	23.98
		1	9.70	0.44	10.14	23.98
		2	9.72	0.63	10.35	23.98
		3	9.94	0.81	10.75	23.98
		4	9.70	1.12	10.82	23.98
		5	9.32	1.39	10.71	23.98
		6	9.27	1.51	10.78	23.98
		7	9.11	1.62	10.73	23.98
		8	8.81	1.90	10.71	23.98
5320	64	0	10.13	0.25	10.38	23.98
		1	9.73	0.44	10.17	23.98
		2	9.70	0.63	10.33	23.98
		3	9.78	0.81	10.59	23.98
		4	9.48	1.12	10.60	23.98
		5	9.20	1.39	10.59	23.98
		6	9.14	1.51	10.65	23.98
		7	8.94	1.62	10.56	23.98
		8	8.71	1.90	10.61	23.98

Ant.1

802.11ac\_VHT20 (UNII 2A)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11ac\_VHT20 Mode: 5260~5320)

802.11ac_VHT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5260	52	0	10.03	0.22	10.25	23.98
		1	9.76	0.43	10.19	23.98
		2	9.74	0.63	10.37	23.98
		3	9.87	0.83	10.70	23.98
		4	9.55	1.13	10.68	23.98
		5	9.34	1.38	10.72	23.98
		6	9.19	1.53	10.72	23.98
		7	8.97	1.62	10.59	23.98
		8	8.89	1.83	10.72	23.98
5300	60	0	9.91	0.22	10.13	23.98
		1	9.61	0.43	10.04	23.98
		2	9.69	0.63	10.32	23.98
		3	9.80	0.83	10.63	23.98
		4	9.48	1.13	10.61	23.98
		5	9.20	1.38	10.58	23.98
		6	9.12	1.53	10.65	23.98
		7	8.94	1.62	10.56	23.98
		8	8.67	1.83	10.50	23.98
5320	64	0	9.76	0.22	9.99	23.98
		1	9.51	0.43	9.94	23.98
		2	9.52	0.63	10.15	23.98
		3	9.69	0.83	10.52	23.98
		4	9.43	1.13	10.56	23.98
		5	9.15	1.38	10.52	23.98
		6	9.08	1.53	10.62	23.98
		7	8.85	1.62	10.47	23.98
		8	8.63	1.83	10.46	23.98

■ TEST RESULTS\_Sum Data of Ant.0 and Ant.1 (UNII 2A)

Conducted Output Power Measurements (802.11ac\_VHT20 Mode: 5260~5320)

802.11ac_VHT20 Mode		MCS Index	Sum Power of Ant.0 & 1	Limit (dBm)
Frequency [MHz]	Channel No.			
5260	52	0	13.20	23.98
		1	13.14	23.98
		2	13.29	23.98
		3	13.62	23.98
		4	13.61	23.98
		5	13.62	23.98
		6	13.64	23.98
		7	13.54	23.98
		8	13.63	23.98
5300	60	0	13.23	23.98
		1	13.10	23.98
		2	13.35	23.98
		3	13.70	23.98
		4	13.73	23.98
		5	13.66	23.98
		6	13.73	23.98
		7	13.66	23.98
		8	13.62	23.98
5320	64	0	13.20	23.98
		1	13.07	23.98
		2	13.25	23.98
		3	13.57	23.98
		4	13.59	23.98
		5	13.57	23.98
		6	13.65	23.98
		7	14.06	23.98
		8	13.55	23.98

Ant.0

802.11ac\_VHT20 (UNII 2C)

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac\_VHT20 Mode: 5500~5700)

802.11ac_VHT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5500	100	0	9.86	0.25	10.11	23.98
		1	9.57	0.44	10.01	23.98
		2	9.59	0.63	10.22	23.98
		3	9.75	0.81	10.57	23.98
		4	9.42	1.12	10.54	23.98
		5	9.12	1.39	10.51	23.98
		6	8.99	1.51	10.50	23.98
		7	8.92	1.62	10.54	23.98
		8	8.64	1.90	10.55	23.98
5580	116	0	9.91	0.25	10.15	23.98
		1	9.63	0.44	10.07	23.98
		2	9.62	0.63	10.25	23.98
		3	9.75	0.81	10.56	23.98
		4	9.46	1.12	10.58	23.98
		5	9.20	1.39	10.59	23.98
		6	9.10	1.51	10.61	23.98
		7	8.91	1.62	10.53	23.98
		8	8.70	1.90	10.61	23.98
5700	140	0	10.01	0.25	10.26	23.98
		1	9.75	0.44	10.19	23.98
		2	9.78	0.63	10.41	23.98
		3	9.91	0.81	10.72	23.98
		4	9.58	1.12	10.70	23.98
		5	9.32	1.39	10.71	23.98
		6	9.25	1.51	10.76	23.98
		7	8.98	1.62	10.60	23.98
		8	8.77	1.90	10.67	23.98

Ant.1

802.11ac\_VHT20 (UNII 2C)

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac\_VHT20 Mode: 5500~5700)

802.11ac_VHT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5500	100	0	10.06	0.22	10.28	23.98
		1	9.72	0.43	10.15	23.98
		2	9.80	0.63	10.43	23.98
		3	9.92	0.83	10.75	23.98
		4	9.58	1.13	10.71	23.98
		5	9.26	1.38	10.64	23.98
		6	9.23	1.53	10.76	23.98
		7	9.11	1.62	10.73	23.98
		8	8.82	1.83	10.65	23.98
5580	116	0	10.31	0.22	10.53	23.98
		1	10.06	0.43	10.49	23.98
		2	10.07	0.63	10.70	23.98
		3	10.21	0.83	11.05	23.98
		4	9.86	1.13	10.99	23.98
		5	9.69	1.38	11.07	23.98
		6	9.50	1.53	11.04	23.98
		7	9.32	1.62	10.94	23.98
		8	9.10	1.83	10.94	23.98
5700	140	0	9.73	0.22	9.96	23.98
		1	9.41	0.43	9.84	23.98
		2	9.40	0.63	10.03	23.98
		3	9.59	0.83	10.42	23.98
		4	9.25	1.13	10.38	23.98
		5	9.04	1.38	10.42	23.98
		6	8.93	1.53	10.46	23.98
		7	8.72	1.62	10.35	23.98
		8	8.56	1.83	10.40	23.98

■ TEST RESULTS\_Sum Data of Ant.0 and Ant.1 (UNII 2C)

Conducted Output Power Measurements (802.11ac\_VHT20 Mode: 5500~5700)

802.11ac_VHT20 Mode		MCS Index	Sum Power of Ant.0 & 1	Limit (dBm)
Frequency [MHz]	Channel No.			
5500	100	0	13.21	23.98
		1	13.09	23.98
		2	13.34	23.98
		3	13.67	23.98
		4	13.64	23.98
		5	13.59	23.98
		6	13.64	23.98
		7	13.65	23.98
		8	13.61	23.98
5580	116	0	13.35	23.98
		1	13.30	23.98
		2	13.49	23.98
		3	13.82	23.98
		4	13.80	23.98
		5	13.85	23.98
		6	13.84	23.98
		7	13.75	23.98
		8	13.79	23.98
5700	140	0	13.12	23.98
		1	13.03	23.98
		2	13.23	23.98
		3	13.58	23.98
		4	13.55	23.98
		5	13.58	23.98
		6	13.62	23.98
		7	13.49	23.98
		8	13.55	23.98

Ant.0

802.11ac\_VHT20 (UNII 3)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11ac\_VHT20 Mode: 5745~5825)

802.11ac_VHT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5745	149	0	10.10	0.25	10.34	30
		1	9.79	0.44	10.23	30
		2	9.88	0.63	10.51	30
		3	10.01	0.81	10.82	30
		4	9.67	1.12	10.79	30
		5	9.46	1.39	10.85	30
		6	9.31	1.51	10.82	30
		7	9.14	1.62	10.76	30
		8	8.92	1.90	10.82	30
5785	157	0	9.63	0.25	9.87	30
		1	9.36	0.44	9.80	30
		2	9.38	0.63	10.01	30
		3	9.50	0.81	10.31	30
		4	9.17	1.12	10.29	30
		5	8.93	1.39	10.32	30
		6	8.86	1.51	10.37	30
		7	8.57	1.62	10.19	30
		8	8.46	1.90	10.36	30
5825	165	0	9.95	0.25	10.19	30
		1	9.66	0.44	10.10	30
		2	9.64	0.63	10.27	30
		3	9.81	0.81	10.63	30
		4	9.48	1.12	10.60	30
		5	9.29	1.39	10.68	30
		6	9.15	1.51	10.66	30
		7	8.93	1.62	10.54	30
		8	8.71	1.90	10.61	30

Ant.1

802.11ac\_VHT20 (UNII 3)

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac\_VHT20 Mode: 5745~5825)

802.11ac_VHT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5745	149	0	9.89	0.22	10.11	30
		1	9.75	0.43	10.18	30
		2	9.61	0.63	10.24	30
		3	9.77	0.83	10.60	30
		4	9.44	1.13	10.57	30
		5	9.13	1.38	10.51	30
		6	9.00	1.53	10.53	30
		7	8.89	1.62	10.51	30
		8	8.64	1.83	10.47	30
5785	157	0	9.89	0.22	10.11	30
		1	9.51	0.43	9.94	30
		2	9.54	0.63	10.17	30
		3	9.70	0.83	10.53	30
		4	9.36	1.13	10.49	30
		5	9.17	1.38	10.55	30
		6	9.01	1.53	10.54	30
		7	8.88	1.62	10.50	30
		8	8.63	1.83	10.47	30
5825	165	0	10.12	0.22	10.34	30
		1	9.85	0.43	10.29	30
		2	9.88	0.63	10.51	30
		3	10.00	0.83	10.83	30
		4	9.67	1.13	10.80	30
		5	9.41	1.38	10.79	30
		6	9.44	1.53	10.97	30
		7	9.20	1.62	10.82	30
		8	9.02	1.83	10.86	30

■ TEST RESULTS\_Sum Data of Ant.0 and Ant.1 (UNII 3)

Conducted Output Power Measurements (802.11ac\_VHT20 Mode: 5745~5825)

802.11ac_VHT20 Mode		MCS Index	Sum Power of Ant.0 & 1	Limit (dBm)
Frequency [MHz]	Channel No.			
5745	149	0	13.24	30
		1	13.22	30
		2	13.39	30
		3	13.72	30
		4	13.69	30
		5	13.69	30
		6	13.69	30
		7	13.65	30
		8	13.66	30
5785	157	0	13.00	30
		1	12.88	30
		2	13.10	30
		3	13.43	30
		4	13.40	30
		5	13.45	30
		6	13.47	30
		7	13.36	30
		8	13.43	30
5825	165	0	13.28	30
		1	13.21	30
		2	13.40	30
		3	13.74	30
		4	13.71	30
		5	13.75	30
		6	13.83	30
		7	13.69	30
		8	13.75	30

Ant.0

802.11n\_HT40 (UNII 1)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11n\_HT40 Mode: 5190~5230)

802.11n_HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5190	38	0	8.97	0.45	9.43	23.98
		1	8.57	0.87	9.45	23.98
		2	8.24	1.21	9.46	23.98
		3	7.85	1.46	9.32	23.98
		4	7.43	1.99	9.42	23.98
		5	7.05	2.27	9.32	23.98
		6	6.88	2.42	9.30	23.98
		7	6.71	2.69	9.40	23.98
5230	46	0	8.76	0.45	9.22	23.98
		1	8.37	0.87	9.24	23.98
		2	7.97	1.21	9.18	23.98
		3	7.60	1.46	9.06	23.98
		4	7.11	1.99	9.10	23.98
		5	6.81	2.27	9.08	23.98
		6	6.65	2.42	9.07	23.98
		7	6.44	2.69	9.13	23.98

Ant.1

802.11n\_HT40 (UNII 1)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11n\_HT40 Mode: 5190~5230)

802.11n_HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5190	38	0	8.74	0.47	9.21	23.98
		1	8.35	0.83	9.18	23.98
		2	7.95	1.16	9.11	23.98
		3	7.57	1.48	9.06	23.98
		4	7.22	1.91	9.13	23.98
		5	6.77	2.28	9.05	23.98
		6	6.64	2.41	9.05	23.98
		7	6.48	2.69	9.16	23.98
5230	46	0	9.07	0.47	9.54	23.98
		1	8.71	0.83	9.54	23.98
		2	8.29	1.16	9.45	23.98
		3	7.83	1.48	9.31	23.98
		4	7.51	1.91	9.42	23.98
		5	7.12	2.28	9.40	23.98
		6	6.99	2.41	9.40	23.98
		7	6.80	2.69	9.49	23.98

■ TEST RESULTS \_ Sum Data of Ant.0 and Ant.1 (UNII 1)

Conducted Output Power Measurements (802.11n\_HT40 Mode: 5190~5230)

802.11n_HT40 Mode		MCS Index	Sum Power of Ant.0 & 1	Limit (dBm)
Frequency [MHz]	Channel No.			
5190	38	0	12.33	23.98
		1	12.33	23.98
		2	12.30	23.98
		3	12.20	23.98
		4	12.29	23.98
		5	12.20	23.98
		6	12.19	23.98
		7	12.29	23.98
5230	46	0	12.39	23.98
		1	12.40	23.98
		2	12.33	23.98
		3	12.20	23.98
		4	12.27	23.98
		5	12.25	23.98
		6	12.25	23.98
		7	12.32	23.98

Ant.0

802.11n\_HT40 (UNII 2A)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11n\_HT40 Mode: 5270~5310)

802.11n_HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5270	54	0	8.88	0.45	9.33	23.98
		1	8.54	0.87	9.41	23.98
		2	8.21	1.21	9.43	23.98
		3	7.79	1.46	9.26	23.98
		4	7.34	1.99	9.33	23.98
		5	7.03	2.27	9.30	23.98
		6	6.87	2.42	9.29	23.98
		7	6.65	2.69	9.34	23.98
5310	62	0	9.02	0.45	9.48	23.98
		1	8.74	0.87	9.61	23.98
		2	8.42	1.21	9.64	23.98
		3	8.00	1.46	9.46	23.98
		4	7.56	1.99	9.55	23.98
		5	7.20	2.27	9.47	23.98
		6	7.05	2.42	9.46	23.98
		7	6.87	2.69	9.56	23.98

Ant.1

802.11n\_HT40 (UNII 2A)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11n\_HT40 Mode: 5270~5310)

802.11n_HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5270	54	0	9.05	0.47	9.52	23.98
		1	8.57	0.83	9.40	23.98
		2	8.30	1.16	9.46	23.98
		3	7.99	1.48	9.47	23.98
		4	7.57	1.91	9.49	23.98
		5	7.16	2.28	9.44	23.98
		6	6.97	2.41	9.38	23.98
		7	6.79	2.69	9.48	23.98
5310	62	0	9.27	0.47	9.74	23.98
		1	8.92	0.83	9.74	23.98
		2	8.47	1.16	9.63	23.98
		3	8.18	1.48	9.66	23.98
		4	7.79	1.91	9.70	23.98
		5	7.27	2.28	9.55	23.98
		6	7.13	2.41	9.55	23.98
		7	6.96	2.69	9.64	23.98

## ■ TEST RESULTS \_ Sum Data of Ant.0 and Ant.1 (UNII 2A)

Conducted Output Power Measurements (802.11n\_HT40 Mode: 5270~5310)

802.11n_HT40 Mode		MCS Index	Sum Power of Ant.0 & 1	Limit (dBm)
Frequency [MHz]	Channel No.			
5270	54	0	12.44	23.98
		1	12.42	23.98
		2	12.46	23.98
		3	12.38	23.98
		4	12.42	23.98
		5	12.38	23.98
		6	12.35	23.98
		7	12.42	23.98
5310	62	0	12.62	23.98
		1	12.69	23.98
		2	12.65	23.98
		3	12.57	23.98
		4	12.64	23.98
		5	12.52	23.98
		6	12.52	23.98
		7	12.61	23.98

Ant.0

802.11n\_HT40 (UNII 2C)

■ TEST RESULTS

Conducted Output Power Measurements (802.11n\_HT40 Mode: 5510~5670)

802.11n_HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5510	102	0	9.10	0.45	9.55	23.98
		1	8.78	0.87	9.65	23.98
		2	8.43	1.21	9.64	23.98
		3	8.12	1.46	9.58	23.98
		4	7.54	1.99	9.53	23.98
		5	7.22	2.27	9.49	23.98
		6	7.09	2.42	9.51	23.98
		7	6.89	2.69	9.58	23.98
5550	110	0	9.01	0.45	9.46	23.98
		1	8.66	0.87	9.53	23.98
		2	8.31	1.21	9.52	23.98
		3	7.97	1.46	9.43	23.98
		4	7.54	1.99	9.53	23.98
		5	7.16	2.27	9.43	23.98
		6	6.99	2.42	9.41	23.98
		7	6.81	2.69	9.50	23.98
5670	134	0	9.37	0.45	9.83	23.98
		1	8.97	0.87	9.84	23.98
		2	8.56	1.21	9.77	23.98
		3	8.21	1.46	9.67	23.98
		4	7.75	1.99	9.74	23.98
		5	7.40	2.27	9.67	23.98
		6	7.25	2.42	9.67	23.98
		7	7.04	2.69	9.72	23.98

Ant.1

802.11n\_HT40 (UNII 2C)

■ TEST RESULTS

Conducted Output Power Measurements (802.11n\_HT40 Mode: 5510~5670)

802.11n_HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5510	102	0	9.40	0.47	9.87	23.98
		1	8.96	0.83	9.79	23.98
		2	8.69	1.16	9.86	23.98
		3	8.26	1.48	9.74	23.98
		4	7.87	1.91	9.78	23.98
		5	7.52	2.28	9.80	23.98
		6	7.36	2.41	9.77	23.98
		7	7.16	2.69	9.84	23.98
5550	110	0	9.50	0.47	9.97	23.98
		1	9.20	0.83	10.03	23.98
		2	8.75	1.16	9.91	23.98
		3	8.37	1.48	9.85	23.98
		4	7.99	1.91	9.90	23.98
		5	7.60	2.28	9.88	23.98
		6	7.47	2.41	9.88	23.98
		7	7.22	2.69	9.91	23.98
5670	134	0	9.19	0.47	9.66	23.98
		1	8.79	0.83	9.62	23.98
		2	8.50	1.16	9.67	23.98
		3	8.10	1.48	9.58	23.98
		4	7.75	1.91	9.67	23.98
		5	7.39	2.28	9.67	23.98
		6	7.22	2.41	9.63	23.98
		7	7.02	2.69	9.71	23.98

■ TEST RESULTS \_ Sum Data of Ant.0 and Ant.1 (UNII 2C)

Conducted Output Power Measurements (802.11n\_HT40 Mode: 5510~5670)

802.11n_HT40 Mode		MCS Index	Sum Power of Ant.0 & 1	Limit (dBm)
Frequency [MHz]	Channel No.			
5510	102	0	12.72	23.98
		1	12.73	23.98
		2	12.76	23.98
		3	12.67	23.98
		4	12.67	23.98
		5	12.66	23.98
		6	12.65	23.98
		7	12.72	23.98
5550	110	0	12.73	23.98
		1	12.80	23.98
		2	12.73	23.98
		3	12.66	23.98
		4	12.73	23.98
		5	12.67	23.98
		6	12.66	23.98
		7	12.72	23.98
5670	134	0	12.76	23.98
		1	12.74	23.98
		2	12.73	23.98
		3	12.64	23.98
		4	12.72	23.98
		5	12.68	23.98
		6	12.66	23.98
		7	12.73	23.98

Ant.0

802.11n\_HT40 (UNII 3)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11n\_HT40 Mode: 5755~5795)

802.11n_HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5755	151	0	9.51	0.45	9.96	30
		1	9.14	0.87	10.01	30
		2	8.73	1.21	9.94	30
		3	8.43	1.46	9.89	30
		4	8.00	1.99	9.99	30
		5	7.59	2.27	9.86	30
		6	7.44	2.42	9.86	30
		7	7.25	2.69	9.94	30
5795	159	0	9.00	0.45	9.45	30
		1	8.63	0.87	9.50	30
		2	8.32	1.21	9.53	30
		3	7.98	1.46	9.44	30
		4	7.62	1.99	9.61	30
		5	7.15	2.27	9.42	30
		6	7.01	2.42	9.43	30
		7	6.77	2.69	9.45	30

Ant.1

802.11n\_HT40 (UNII 3)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11n\_HT40 Mode: 5755~5795)

802.11n_HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5755	151	0	9.33	0.47	9.80	30
		1	8.91	0.83	9.74	30
		2	8.58	1.16	9.74	30
		3	8.24	1.48	9.72	30
		4	7.74	1.91	9.66	30
		5	7.42	2.28	9.70	30
		6	7.26	2.41	9.68	30
		7	7.08	2.69	9.77	30
5795	159	0	9.29	0.47	9.77	30
		1	8.99	0.83	9.82	30
		2	8.57	1.16	9.74	30
		3	8.30	1.48	9.78	30
		4	7.75	1.91	9.66	30
		5	7.44	2.28	9.72	30
		6	7.28	2.41	9.69	30
		7	7.08	2.69	9.76	30

■ TEST RESULTS\_ Sum Data of Ant.0 and Ant.1 (UNII 3)

Conducted Output Power Measurements (802.11n\_HT40 Mode: 5755~5795)

802.11n_HT40 Mode		MCS Index	Sum Power of Ant.0 & 1	Limit (dBm)
Frequency [MHz]	Channel No.			
5755	151	0	12.89	30
		1	12.89	30
		2	12.85	30
		3	12.82	30
		4	12.84	30
		5	12.79	30
		6	12.78	30
		7	12.87	30
5795	159	0	12.62	30
		1	12.67	30
		2	12.65	30
		3	12.62	30
		4	12.65	30
		5	12.58	30
		6	12.57	30
		7	12.62	30

TEST Plots for Ant.0\_802.11n\_HT40

802.11n\_HT40 UNII 1 BAND Average Power  
(5190 MHz ~5230 MHz) CH 38 MCS2



802.11n\_HT40 UNII 2A BAND Average Power  
(5270 MHz ~5310 MHz) CH 62 MCS2



802.11n\_HT40 UNII 2C BAND Average Power  
(5510 MHz ~5670 MHz) CH 134 MCS1



802.11n\_HT40 UNII 3 BAND Average Power  
(5755 MHz ~5795 MHz) CH 151 MCS1



TEST Plots for Ant.1\_802.11n\_HT40

802.11n\_HT40 UNII 1 BAND Average Power  
(5190 MHz ~5230 MHz) CH 46 MCS1



802.11n\_HT40 UNII 2A BAND Average Power  
(5270 MHz ~5310 MHz) CH 62 MCS1



802.11n\_HT40 UNII 2C BAND Average Power  
(5510 MHz ~5670 MHz) CH 110 MCS1



802.11n\_HT40 UNII 3 BAND Average Power  
(5755 MHz ~5795 MHz) CH 159 MCS1



Ant.0

802.11ac\_VHT40 (UNII 1)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11ac\_VHT40 Mode: 5190~5230)

802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5190	38	0	9.04	0.47	9.51	23.98
		1	8.56	0.83	9.40	23.98
		2	8.24	1.21	9.45	23.98
		3	8.00	1.44	9.44	23.98
		4	7.57	1.89	9.46	23.98
		5	7.14	2.31	9.45	23.98
		6	6.98	2.37	9.35	23.98
		7	6.80	2.55	9.35	23.98
		8	6.60	2.80	9.39	23.98
		9	6.45	2.87	9.32	23.98
5230	46	0	8.84	0.47	9.31	23.98
		1	8.36	0.83	9.19	23.98
		2	8.00	1.21	9.21	23.98
		3	7.67	1.44	9.11	23.98
		4	7.26	1.89	9.15	23.98
		5	6.89	2.31	9.19	23.98
		6	6.72	2.37	9.09	23.98
		7	6.50	2.55	9.05	23.98
		8	6.26	2.80	9.06	23.98
		9	6.18	2.87	9.05	23.98

Ant.1

802.11ac\_VHT40 (UNII 1)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11ac\_VHT40 Mode: 5190~5230)

802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5190	38	0	8.65	0.45	9.10	23.98
		1	8.34	0.83	9.17	23.98
		2	7.96	1.20	9.16	23.98
		3	7.69	1.53	9.22	23.98
		4	7.15	1.89	9.04	23.98
		5	6.83	2.23	9.06	23.98
		6	6.61	2.38	9.00	23.98
		7	6.50	2.55	9.05	23.98
		8	6.25	2.82	9.07	23.98
		9	6.13	2.88	9.01	23.98
5230	46	0	8.85	0.45	9.29	23.98
		1	8.60	0.83	9.43	23.98
		2	8.24	1.20	9.44	23.98
		3	7.87	1.53	9.41	23.98
		4	7.54	1.89	9.43	23.98
		5	7.14	2.23	9.38	23.98
		6	6.95	2.38	9.33	23.98
		7	6.81	2.55	9.36	23.98
		8	6.56	2.82	9.37	23.98
		9	6.47	2.88	9.35	23.98

■ TEST RESULTS\_ Sum Data of Ant.0 and Ant.1 (UNII 1)

Conducted Output Power Measurements (802.11ac\_VHT40 Mode: 5190~5230)

802.11ac_VHT40 Mode		MCS Index	Sum Power of Ant.0 & 1	Limit (dBm)
Frequency [MHz]	Channel No.			
5190	38	0	12.32	23.98
		1	12.30	23.98
		2	12.32	23.98
		3	12.34	23.98
		4	12.27	23.98
		5	12.27	23.98
		6	12.19	23.98
		7	12.21	23.98
		8	12.24	23.98
		9	12.18	23.98
5230	46	0	12.31	23.98
		1	12.32	23.98
		2	12.34	23.98
		3	12.27	23.98
		4	12.30	23.98
		5	12.30	23.98
		6	12.22	23.98
		7	12.22	23.98
		8	12.23	23.98
		9	12.21	23.98

Ant.0

802.11ac\_VHT40 (UNII 2A)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11ac\_VHT40 Mode: 5270~5310)

802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5270	54	0	9.07	0.47	9.54	23.98
		1	8.55	0.83	9.39	23.98
		2	8.19	1.21	9.39	23.98
		3	7.93	1.44	9.37	23.98
		4	7.45	1.89	9.34	23.98
		5	7.06	2.31	9.37	23.98
		6	6.88	2.37	9.26	23.98
		7	6.72	2.55	9.27	23.98
		8	6.51	2.80	9.31	23.98
		9	6.41	2.87	9.28	23.98
5310	62	0	9.16	0.47	9.63	23.98
		1	8.82	0.83	9.66	23.98
		2	8.41	1.21	9.62	23.98
		3	8.10	1.44	9.54	23.98
		4	7.63	1.89	9.52	23.98
		5	7.28	2.31	9.59	23.98
		6	7.13	2.37	9.51	23.98
		7	6.93	2.55	9.48	23.98
		8	6.71	2.80	9.51	23.98
		9	6.61	2.87	9.49	23.98

Ant.1

802.11ac\_VHT40 (UNII 2A)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11ac\_VHT40 Mode: 5270~5310)

802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5270	54	0	9.15	0.45	9.60	23.98
		1	8.75	0.83	9.58	23.98
		2	8.39	1.20	9.59	23.98
		3	8.12	1.53	9.66	23.98
		4	7.66	1.89	9.55	23.98
		5	7.32	2.23	9.55	23.98
		6	7.13	2.38	9.52	23.98
		7	6.97	2.55	9.52	23.98
		8	6.72	2.82	9.54	23.98
		9	6.61	2.88	9.49	23.98
5310	62	0	9.04	0.45	9.48	23.98
		1	8.78	0.83	9.61	23.98
		2	8.40	1.20	9.60	23.98
		3	8.16	1.53	9.69	23.98
		4	7.68	1.89	9.57	23.98
		5	7.34	2.23	9.57	23.98
		6	7.17	2.38	9.56	23.98
		7	6.93	2.55	9.48	23.98
		8	6.68	2.82	9.50	23.98
		9	6.62	2.88	9.50	23.98

■ TEST RESULTS\_ Sum Data of Ant.0 and Ant.1 (UNII 2A)

Conducted Output Power Measurements (802.11ac\_VHT40 Mode: 5270~5310)

802.11ac_VHT40 Mode		MCS Index	Sum Power of Ant.0 & 1	Limit (dBm)
Frequency [MHz]	Channel No.			
5270	54	0	12.58	23.98
		1	12.50	23.98
		2	12.50	23.98
		3	12.53	23.98
		4	12.46	23.98
		5	12.47	23.98
		6	12.40	23.98
		7	12.41	23.98
		8	12.44	23.98
		9	12.40	23.98
5310	62	0	12.57	23.98
		1	12.65	23.98
		2	12.62	23.98
		3	12.63	23.98
		4	12.56	23.98
		5	12.59	23.98
		6	12.55	23.98
		7	12.49	23.98
		8	12.52	23.98
		9	12.51	23.98

Ant.0

802.11ac\_VHT40 (UNII 2C)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11ac\_VHT40 Mode: 5510~5670)

802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5510	102	0	8.98	0.47	9.45	23.98
		1	8.73	0.83	9.56	23.98
		2	8.38	1.21	9.59	23.98
		3	8.06	1.44	9.50	23.98
		4	7.55	1.89	9.45	23.98
		5	7.26	2.31	9.57	23.98
		6	7.07	2.37	9.45	23.98
		7	6.91	2.55	9.46	23.98
		8	6.70	2.80	9.50	23.98
		9	6.63	2.87	9.50	23.98
5550	110	0	9.02	0.47	9.49	23.98
		1	8.59	0.83	9.43	23.98
		2	8.29	1.21	9.50	23.98
		3	8.01	1.44	9.45	23.98
		4	7.57	1.89	9.46	23.98
		5	7.15	2.31	9.46	23.98
		6	7.04	2.37	9.41	23.98
		7	6.83	2.55	9.38	23.98
		8	6.60	2.80	9.40	23.98
		9	6.54	2.87	9.41	23.98
5670	134	0	9.12	0.47	9.59	23.98
		1	8.83	0.83	9.67	23.98
		2	8.50	1.21	9.70	23.98
		3	8.14	1.44	9.58	23.98
		4	7.76	1.89	9.65	23.98
		5	7.44	2.31	9.75	23.98
		6	7.26	2.37	9.63	23.98
		7	7.10	2.55	9.65	23.98
		8	6.89	2.80	9.68	23.98
		9	6.74	2.87	9.62	23.98

Ant.1

802.11ac\_VHT40 (UNII 2C)

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac\_VHT40 Mode: 5510~5670)

802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5510	102	0	9.43	0.45	9.88	23.98
		1	8.92	0.83	9.75	23.98
		2	8.60	1.20	9.80	23.98
		3	8.21	1.53	9.74	23.98
		4	7.89	1.89	9.78	23.98
		5	7.53	2.23	9.76	23.98
		6	7.40	2.38	9.78	23.98
		7	7.19	2.55	9.73	23.98
		8	6.93	2.82	9.75	23.98
		9	6.89	2.88	9.77	23.98
5550	110	0	9.34	0.45	9.79	23.98
		1	9.08	0.83	9.91	23.98
		2	8.72	1.20	9.92	23.98
		3	8.45	1.53	9.99	23.98
		4	7.99	1.89	9.88	23.98
		5	7.59	2.23	9.83	23.98
		6	7.44	2.38	9.83	23.98
		7	7.27	2.55	9.82	23.98
		8	7.06	2.82	9.88	23.98
		9	6.98	2.88	9.86	23.98
5670	134	0	9.45	0.45	9.89	23.98
		1	8.91	0.83	9.74	23.98
		2	8.57	1.20	9.77	23.98
		3	8.24	1.53	9.77	23.98
		4	7.86	1.89	9.75	23.98
		5	7.45	2.23	9.69	23.98
		6	7.29	2.38	9.68	23.98
		7	7.10	2.55	9.65	23.98
		8	6.84	2.82	9.66	23.98
		9	6.80	2.88	9.68	23.98

■ TEST RESULTS\_ Sum Data of Ant.0 and Ant.1 (UNII 2C)

Conducted Output Power Measurements (802.11ac\_VHT40 Mode: 5510~5670)

802.11ac_VHT40 Mode		MCS Index	Sum Power of Ant.0 & 1	Limit (dBm)
Frequency [MHz]	Channel No.			
5510	102	0	12.68	23.98
		1	12.67	23.98
		2	12.71	23.98
		3	12.63	23.98
		4	12.63	23.98
		5	12.68	23.98
		6	12.63	23.98
		7	12.61	23.98
		8	12.64	23.98
		9	12.65	23.98
5550	110	0	12.65	23.98
		1	12.69	23.98
		2	12.73	23.98
		3	12.74	23.98
		4	12.69	23.98
		5	12.66	23.98
		6	12.64	23.98
		7	12.62	23.98
		8	12.66	23.98
		9	12.65	23.98
5670	134	0	12.75	23.98
		1	12.72	23.98
		2	12.75	23.98
		3	12.69	23.98
		4	12.71	23.98
		5	12.73	23.98
		6	12.67	23.98
		7	12.66	23.98
		8	12.68	23.98
		9	12.66	23.98

Ant.0

802.11ac\_VHT40 (UNII 3)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11ac\_VHT40 Mode: 5755~5795)

802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5755	151	0	9.53	0.47	10.00	30
		1	9.06	0.83	9.89	30
		2	8.74	1.21	9.95	30
		3	8.34	1.44	9.78	30
		4	7.99	1.89	9.88	30
		5	7.65	2.31	9.96	30
		6	7.48	2.37	9.85	30
		7	7.25	2.55	9.80	30
		8	7.02	2.80	9.82	30
		9	6.95	2.87	9.82	30
5795	159	0	9.10	0.47	9.57	30
		1	8.62	0.83	9.45	30
		2	8.26	1.21	9.46	30
		3	7.97	1.44	9.41	30
		4	7.49	1.89	9.38	30
		5	7.13	2.31	9.44	30
		6	7.00	2.37	9.37	30
		7	6.80	2.55	9.35	30
		8	6.60	2.80	9.40	30
		9	6.52	2.87	9.39	30

Ant.1

802.11ac\_VHT40 (UNII 3)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11ac\_VHT40 Mode: 5755~5795)

802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5755	151	0	9.26	0.45	9.71	30
		1	8.85	0.83	9.68	30
		2	8.56	1.20	9.76	30
		3	8.19	1.53	9.73	30
		4	7.80	1.89	9.69	30
		5	7.44	2.23	9.67	30
		6	7.30	2.38	9.68	30
		7	7.10	2.55	9.65	30
		8	6.85	2.82	9.67	30
		9	6.82	2.88	9.70	30
5795	159	0	9.21	0.45	9.66	30
		1	8.92	0.83	9.75	30
		2	8.56	1.20	9.76	30
		3	8.21	1.53	9.74	30
		4	7.84	1.89	9.74	30
		5	7.48	2.23	9.72	30
		6	7.39	2.38	9.77	30
		7	7.14	2.55	9.69	30
		8	6.91	2.82	9.73	30
		9	6.83	2.88	9.71	30

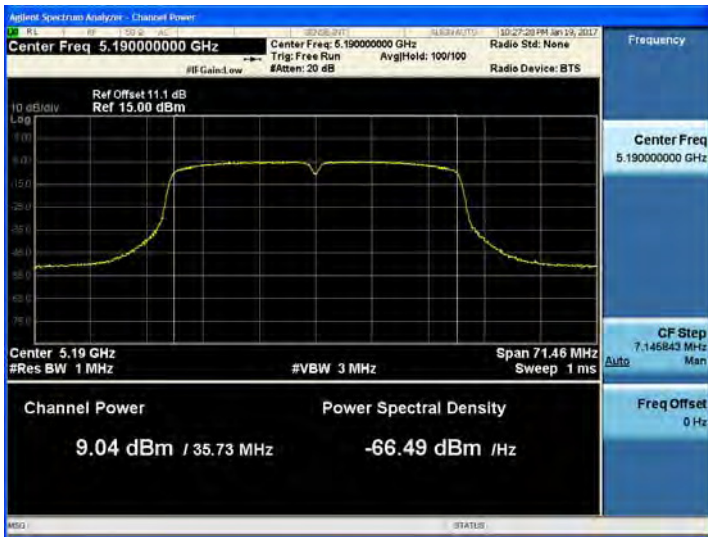
■ TEST RESULTS\_ Sum Data of Ant.0 and Ant.1 (UNII 3)

Conducted Output Power Measurements (802.11ac\_VHT40 Mode: 5755~5795)

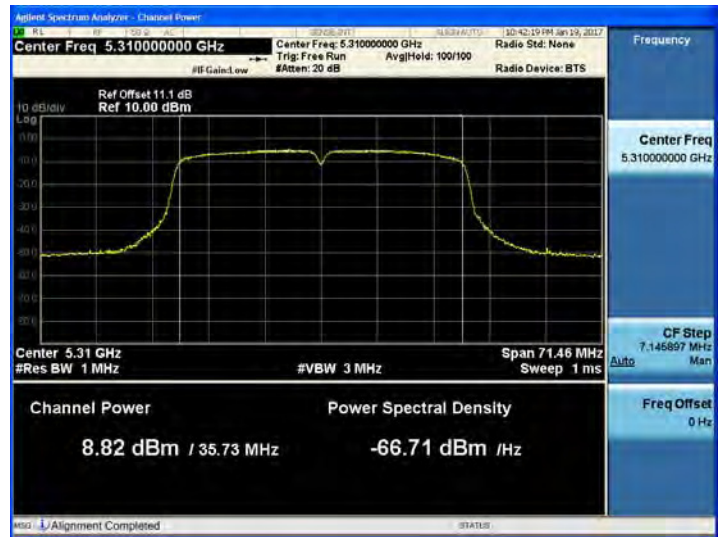
802.11ac_VHT40 Mode		MCS Index	Sum Power of Ant.0 & 1	Limit (dBm)
Frequency [MHz]	Channel No.			
5755	151	0	12.87	30
		1	12.80	30
		2	12.87	30
		3	12.77	30
		4	12.80	30
		5	12.83	30
		6	12.78	30
		7	12.74	30
		8	12.76	30
		9	12.77	30
5795	159	0	12.63	30
		1	12.61	30
		2	12.62	30
		3	12.59	30
		4	12.57	30
		5	12.59	30
		6	12.58	30
		7	12.53	30
		8	12.58	30
		9	12.56	30

TEST Plots for Ant.0\_802.11ac\_VHT40

802.11ac\_VHT40 UNII 1 BAND Average Power  
(5190 MHz ~5230 MHz) CH 38 MCS0



802.11ac\_VHT40 UNII 2A BAND Average Power  
(5270 MHz ~5310 MHz) CH 62 MCS1



802.11ac\_VHT40 UNII 2C BAND Average Power  
(5510 MHz ~5670 MHz) CH 134 MCS5



802.11ac\_VHT40 UNII 3 BAND Average Power  
(5755 MHz ~5795 MHz) CH 151 MCS0



TEST Plots for Ant.1\_802.11ac\_VHT40

**802.11ac\_VHT40 UNII 1 BAND Average Power  
(5190 MHz ~5230 MHz) CH 46 MCS2**



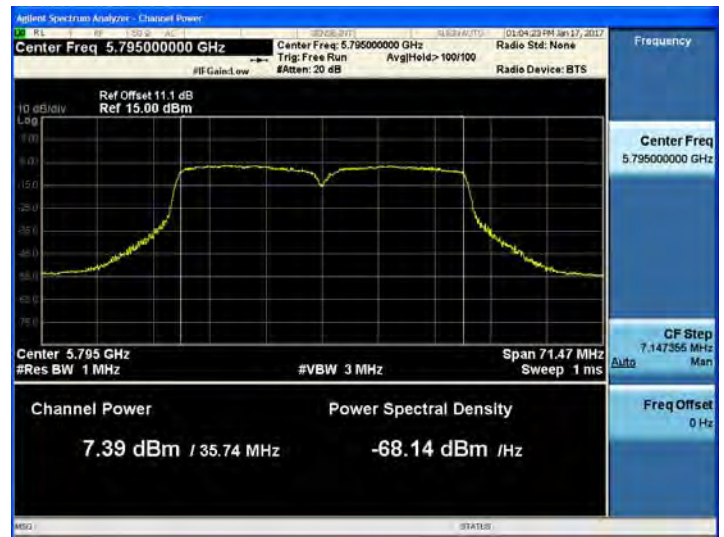
**802.11ac\_VHT40 UNII 2A BAND Average Power  
(5270 MHz ~5310 MHz) CH 62 MCS3**



**802.11ac\_VHT40 UNII 2C BAND Average Power  
(5510 MHz ~5670 MHz) CH 110 MCS3**



**802.11ac\_VHT40 UNII 3 BAND Average Power  
(5755 MHz ~5795 MHz) CH 159 MCS6**



**Ant.0****802.11ac\_VHT80 (UNII 1)****■ TEST RESULTS****Conducted Output Power Measurements (802.11ac\_VHT80 Mode: 5210)**

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5210	42	0	8.81	0.70	9.51	23.98
		1	8.37	1.22	9.60	23.98
		2	7.92	1.64	9.56	23.98
		3	7.82	2.01	9.83	23.98
		4	7.16	2.47	9.63	23.98
		5	6.70	2.87	9.57	23.98
		6	6.71	3.06	9.77	23.98
		7	6.58	3.25	9.84	23.98
		8	6.37	3.18	9.56	23.98
		9	6.23	3.32	9.55	23.98

**Ant.1****802.11ac\_VHT80 (UNII 1)****■ TEST RESULTS****Conducted Output Power Measurements (802.11ac\_VHT80 Mode: 5210)**

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5210	42	0	9.06	0.69	9.75	23.98
		1	8.60	1.23	9.83	23.98
		2	8.17	1.64	9.81	23.98
		3	7.90	2.00	9.90	23.98
		4	7.40	2.48	9.88	23.98
		5	7.02	2.88	9.91	23.98
		6	6.83	3.05	9.89	23.98
		7	6.70	3.24	9.94	23.98
		8	6.65	3.46	10.11	23.98
		9	6.49	3.53	10.02	23.98

■ TEST RESULTS\_ Sum Data of Ant.0 and Ant.1 (UNII 1)

Conducted Output Power Measurements (802.11ac\_VHT80 Mode: 5210)

802.11ac_VHT80 Mode		MCS Index	Sum Power of Ant.0 & 1	Limit (dBm)
Frequency [MHz]	Channel No.			
5210	42	0	12.64	23.98
		1	12.73	23.98
		2	12.70	23.98
		3	12.88	23.98
		4	12.77	23.98
		5	12.75	23.98
		6	12.84	23.98
		7	12.90	23.98
		8	12.85	23.98
		9	12.80	23.98

**Ant.0**

802.11ac\_VHT80 (UNII 2A)

**■ TEST RESULTS**

Conducted Output Power Measurements (802.11ac\_VHT80 Mode: 5290)

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5290	58	0	8.95	0.70	9.65	23.98
		1	8.53	1.22	9.75	23.98
		2	8.10	1.64	9.74	23.98
		3	7.87	2.01	9.88	23.98
		4	7.36	2.47	9.83	23.98
		5	6.89	2.87	9.76	23.98
		6	6.75	3.06	9.82	23.98
		7	6.51	3.25	9.76	23.98
		8	6.49	3.18	9.67	23.98
		9	6.45	3.32	9.77	23.98

**Ant.1**

802.11ac\_VHT80 (UNII 2A)

**■ TEST RESULTS**

Conducted Output Power Measurements (802.11ac\_VHT80 Mode: 5290)

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5290	58	0	9.13	0.69	9.82	23.98
		1	8.66	1.23	9.89	23.98
		2	8.28	1.64	9.93	23.98
		3	8.01	2.00	10.02	23.98
		4	7.47	2.48	9.95	23.98
		5	7.09	2.88	9.97	23.98
		6	6.92	3.05	9.98	23.98
		7	6.79	3.24	10.04	23.98
		8	6.61	3.46	10.07	23.98
		9	6.60	3.53	10.13	23.98

## ■ TEST RESULTS\_ Sum Data of Ant.0 and Ant.1 (UNII 2A)

Conducted Output Power Measurements (802.11ac\_VHT80 Mode: 5290)

802.11ac_VHT80 Mode		MCS Index	Sum Power of Ant.0 & 1	Limit (dBm)
Frequency [MHz]	Channel No.			
5290	58	0	12.75	23.98
		1	12.83	23.98
		2	12.85	23.98
		3	12.96	23.98
		4	12.90	23.98
		5	12.88	23.98
		6	12.91	23.98
		7	12.91	23.98
		8	12.88	23.98
		9	12.96	23.98

**Ant.0**

802.11ac\_VHT80 (UNII 2C)

**■ TEST RESULTS****Conducted Output Power Measurements (802.11ac\_VHT80 Mode: 5530 MHz)**

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5530	106	0	8.87	0.70	9.57	23.98
		1	8.42	1.22	9.64	23.98
		2	8.02	1.64	9.66	23.98
		3	7.86	2.01	9.88	23.98
		4	7.24	2.47	9.71	23.98
		5	6.84	2.87	9.71	23.98
		6	6.65	3.06	9.72	23.98
		7	6.62	3.25	9.87	23.98
		8	6.40	3.18	9.59	23.98
		9	6.31	3.32	9.63	23.98

**Ant.1**

802.11ac\_VHT80 (UNII 2C)

**■ TEST RESULTS****Conducted Output Power Measurements (802.11ac\_VHT80 Mode: 5530 MHz)**

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5530	106	0	8.81	0.69	9.50	23.98
		1	8.29	1.23	9.52	23.98
		2	8.01	1.64	9.65	23.98
		3	7.65	2.00	9.66	23.98
		4	7.16	2.48	9.64	23.98
		5	6.71	2.88	9.60	23.98
		6	6.66	3.05	9.72	23.98
		7	6.45	3.24	9.69	23.98
		8	6.49	3.46	9.95	23.98
		9	6.24	3.53	9.77	23.98

■ TEST RESULTS\_ Sum Data of Ant.0 and Ant.1 (UNII 2C)

Conducted Output Power Measurements (802.11ac\_VHT80 Mode: 5530 MHz)

802.11ac_VHT80 Mode		MCS Index	Sum Power of Ant.0 & 1	Limit (dBm)
Frequency [MHz]	Channel No.			
5530	106	0	12.55	23.98
		1	12.59	23.98
		2	12.67	23.98
		3	12.78	23.98
		4	12.69	23.98
		5	12.67	23.98
		6	12.73	23.98
		7	12.79	23.98
		8	12.78	23.98
		9	12.71	23.98

Ant.0

802.11ac\_VHT80 (UNII 3)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11ac\_VHT80 Mode: 5775)

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5775	155	0	8.60	0.70	9.31	30
		1	8.05	1.22	9.27	30
		2	7.68	1.64	9.33	30
		3	7.45	2.01	9.46	30
		4	6.98	2.47	9.45	30
		5	6.56	2.87	9.43	30
		6	6.36	3.06	9.43	30
		7	6.24	3.25	9.49	30
		8	6.21	3.18	9.39	30
		9	5.99	3.32	9.31	30

Ant.1

802.11ac\_VHT80 (UNII 3)

▣ TEST RESULTS

Conducted Output Power Measurements (802.11ac\_VHT80 Mode: 5775)

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5775	155	0	8.96	0.69	9.66	30
		1	8.52	1.23	9.75	30
		2	8.15	1.64	9.79	30
		3	7.90	2.00	9.91	30
		4	7.35	2.48	9.83	30
		5	6.88	2.88	9.76	30
		6	6.73	3.05	9.79	30
		7	6.65	3.24	9.90	30
		8	6.54	3.46	10.00	30
		9	6.44	3.53	9.97	30

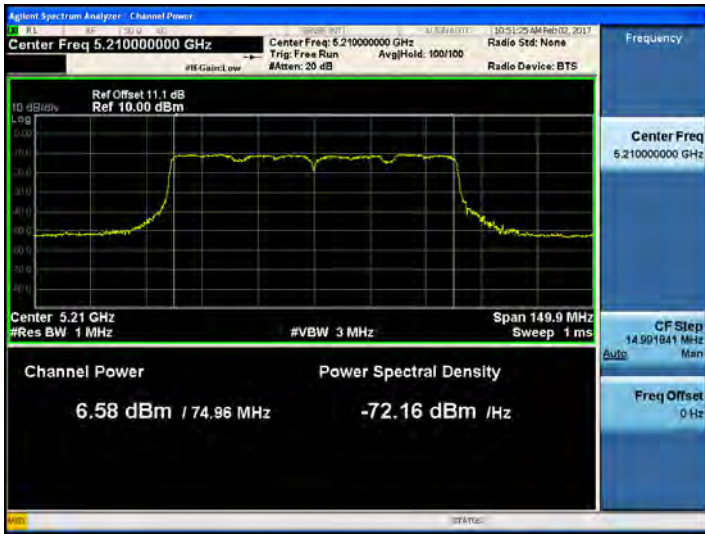
**■ TEST RESULTS\_Sum Data of Ant.0 and Ant.1 (UNII 3)**

Conducted Output Power Measurements (802.11ac\_VHT80 Mode: 5775)

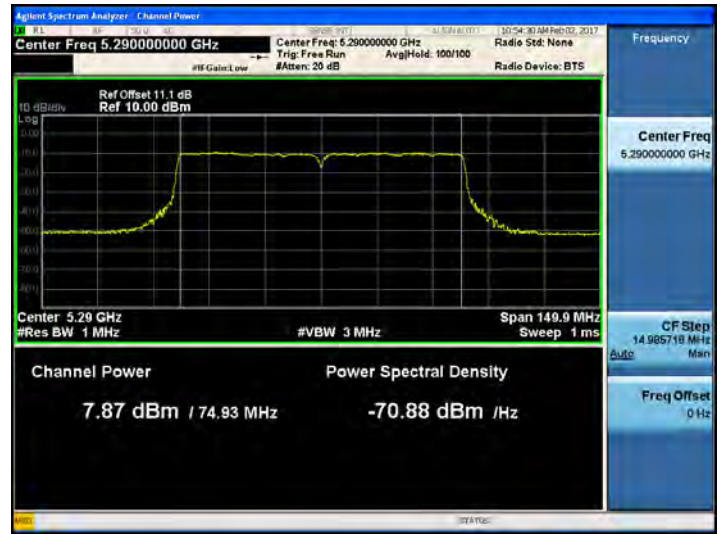
802.11ac_VHT80 Mode		MCS Index	Sum Power of Ant.0 & 1	Limit (dBm)
Frequency [MHz]	Channel No.			
5775	155	0	12.50	30
		1	12.52	30
		2	12.57	30
		3	12.70	30
		4	12.65	30
		5	12.61	30
		6	12.62	30
		7	12.71	30
		8	12.71	30
		9	12.66	30

TEST Plots Ant.0 for 802.11ac\_VHT80

802.11ac\_VHT80 UNII 1 BAND Average Power  
(5210 MHz) CH 42 MCS7



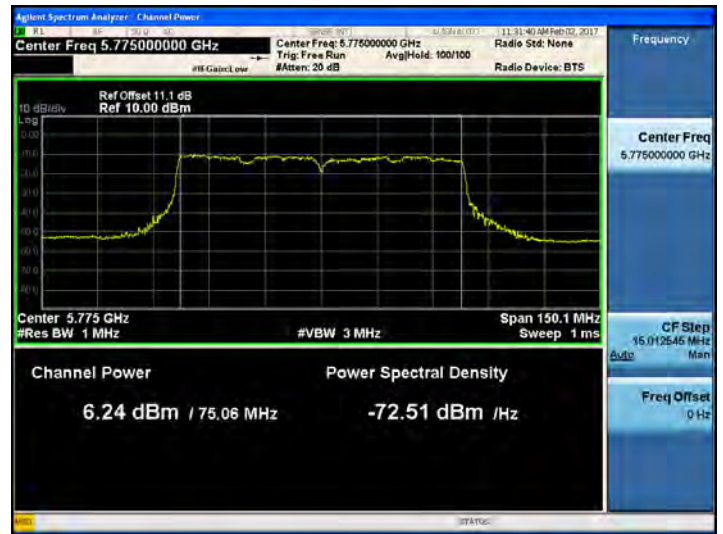
802.11ac\_VHT80 UNII 2A BAND Average Power  
(5290 MHz) CH 58 MCS3



802.11ac\_VHT80 UNII 2C BAND Average Power  
(5530 MHz) CH 106 MCS3



802.11ac\_VHT80 UNII 3 BAND Average Power  
(5775 MHz) CH 155 MCS7

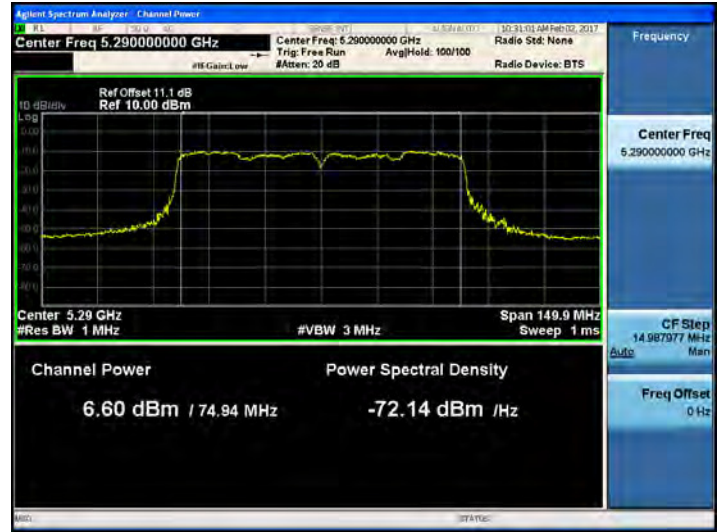


TEST Plots Ant.1 for 802.11ac\_VHT80

802.11ac\_VHT80 UNII 1 BAND Average Power  
(5210 MHz) CH 42 MCS8



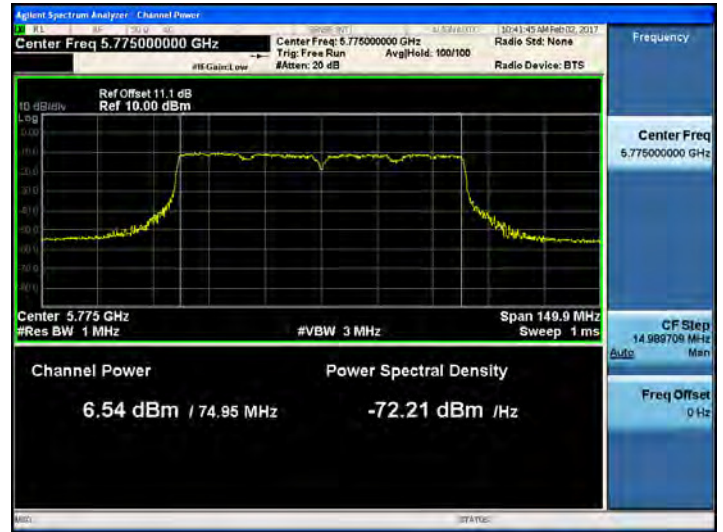
802.11ac\_VHT80 UNII 2A BAND Average Power  
(5290 MHz) CH 58 MCS9



802.11ac\_VHT80 UNII 2C BAND Average Power  
(5530 MHz) CH 106 MCS8



802.11ac\_VHT80 UNII 3 BAND Average Power  
(5775 MHz) CH 155 MCS8



### 9.5 POWER SPECTRAL DENSITY

The peak power density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating in transmission mode at the appropriate frequencies. The maximum permissible peak power spectral density is 11 dBm/ MHz for UNII 1,2A, 2C and 30 dBm/500 kHz for UNII 3.

■ **Limit(CDD)**

**Power Spectral Density**

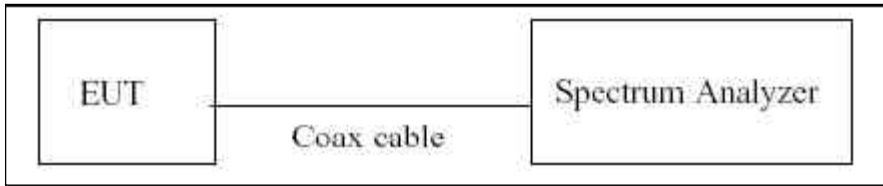
Band	Mode	Limit
UNII 1	802.11a,n,ac	11 dBm/MHz
UNII 2A	802.11a,n,ac	11 dBm/MHz
UNII 2C	802.11a,n,ac	11 dBm/MHz
UNII 3	802.11a,n,ac	30 dBm/500 kHz

Note : Note : According to KDB644545 D03 v01, emission for straddle channels in each band shall comply with the PSD limits applicable to that band under the appropriate rule section.

**Power Spectral Density**

Operating Mode	Band	Mode	Operating Ant.	Ant. Gain (dBi)	Limit
SISO	UNII 1	802.11a/n/ac	Ant 0	-0.51	11 dBm/MHz
			Ant 1	-2.61	11 dBm/MHz
	UNII 2A		Ant 0	-0.81	11 dBm/MHz
			Ant 1	-2.85	11 dBm/MHz
	UNII 2C		Ant 0	-2.49	11 dBm/MHz
			Ant 1	-2.53	11 dBm/MHz
	UNII 3		Ant 0	-1.93	30 dBm/500 kHz
			Ant 1	-2.26	30 dBm/500 kHz
MIMO(CDD)	UNII 1	802.11a/n/ac	Ant 0 & 1	1.51	11 dBm/MHz
	UNII 2A			1.24	11 dBm/MHz
	UNII 2C			0.50	11 dBm/MHz
	UNII 3			0.92	30 dBm/500 kHz

- Note : 1. If all antenna gains are not equal,  
 Directional gain =  $10 \cdot \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N]$  dBi (CDD, 802.11a/n/ac)  
 Directional gain =  $10 \cdot \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}) / N]$  dBi (SDM, 802.11n/ac)  
 (according to KDB662911 D01 v02r01)
2. Limit is calculated by antenna gain.
3. The limits of maximum conducted power were applied the antenna gain. Therefore, if conducted power is pass, e.i.r.p. is also pass. So, we attached only conducted power table.

**■ TEST CONFIGURATION****■ TEST PROCEDURE**

We tested according to Method in KDB 789033 D02 v01r03.

The spectrum analyzer is set to :

1. Set span to encompass the entire emission bandwidth(EBW) of the signal.
2. RBW = 1 MHz(510 kHz for UNII 3)
3. VBW  $\geq$  3 MHz
4. Number of points in sweep  $\geq$  2\*span/RBW.
5. Sweep time = auto.
6. Detector = RMS(i.e., power averaging), if available. Otherwise, use sample detector mode.
7. Do not use sweep triggering. Allow the sweep to "free run".
8. Trace average at least 100 traces in power averaging(RMS) mode
9. Use the peak search function on the spectrum analyzer to find the peak of the spectrum.
10. If Method SA-2 was used, add  $10 \log(1/x)$ , where x is the duty cycle, to the peak of the spectrum.

**■ Sample Calculation**

PSD = Reading Value + ATT loss + Cable loss(1 ea) + Duty Cycle Factor

Output Power = -5 dBm + 10 dB + 0.8 dB + 0.21 dB = 16.01 dBm

Note :

1. Spectrum reading values are not plot data. The PSD results in plot is already including the actual values of loss for the attenuator and cable combination.
2. Spectrum offset = Attenuator loss + Cable loss
3. We apply to the offset in the 5.2 GHz, 5.3 GHz and 5.6 GHz range that was rounded off to the closest tenth dB. Actual value of loss for the attenuator and cable combination is below table.

Band	Loss(dB)
UNII 1, 2A, 2C, 3	11.1

(Actual value of loss for the attenuator and cable combination)

Ant.0

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5180	36	802.11a	-0.882	1.495	0.613	11	Pass
5200	40		-0.721	0.824	0.103		Pass
5240	48		-1.074	1.495	0.421		Pass
5260	52		-0.599	1.619	1.020		Pass
5300	60		-0.300	1.495	1.195		Pass
5320	64		-0.123	0.824	0.701		Pass
5500	100		-0.479	1.495	1.016		Pass
5580	116		-0.397	1.495	1.098		Pass
5700	140		-0.644	1.495	0.851		Pass
5745	149		-2.772	1.495	-1.277	30	Pass
5785	157		-3.461	1.495	-1.966		Pass
5825	165		-2.448	0.662	-1.786		Pass

Ant.1

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5180	36	802.11a	-0.697	1.155	0.458	11	Pass
5200	40		-1.030	1.495	0.465		Pass
5240	48		-0.276	0.824	0.548		Pass
5260	52		-0.269	0.824	0.555		Pass
5300	60		-0.872	1.495	0.623		Pass
5320	64		-0.852	1.495	0.643		Pass
5500	100		0.126	0.824	0.950		Pass
5580	116		-0.078	1.495	1.417		Pass
5700	140		-0.597	1.495	0.898		Pass
5745	149		-3.181	1.495	-1.686	30	Pass
5785	157		-2.525	0.824	-1.701		Pass
5825	165		-2.804	1.495	-1.309		Pass

■ Sum Data of Ant.0 and Ant.1

■ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5180	36	802.11a	3.55	11	Pass
5200	40		3.30		Pass
5240	48		3.50		Pass
5260	52		3.80		Pass
5300	60		3.93		Pass
5320	64		3.68		Pass
5500	100		3.99		Pass
5580	116		4.27		Pass
5700	140		3.88		Pass
5745	149		1.53	30	Pass
5785	157		1.18		Pass
5825	165		1.47		Pass

TEST Plot for 802.11a 20MHz BW\_Ant.0

802.11a UNII 1 BAND PSD CH 36



802.11a UNII 2A BAND PSD CH 60



802.11a UNII 2C BAND PSD CH 116



802.11a UNII 3 BAND PSD CH 149



TEST Plot for 802.11a 20MHz BW\_Ant.1

802.11a UNII 1 BAND PSD CH 48



802.11a UNII 2A BAND PSD CH 64



802.11a UNII 2C BAND PSD CH 116



802.11a UNII 3 BAND PSD CH 165



Ant.0

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5180	36	802.11n_ HT20	-2.235	1.848	-0.387	11	Pass
5200	40		-2.738	1.848	-0.890		Pass
5240	48		-2.228	1.848	-0.380		Pass
5260	52		-2.153	1.848	-0.305		Pass
5300	60		-2.195	1.848	-0.347		Pass
5320	64		-1.790	1.263	-0.527		Pass
5500	100		-1.688	1.263	-0.425		Pass
5580	116		-2.036	1.848	-0.188		Pass
5700	140		-1.744	1.263	-0.481		Pass
5745	149		-4.491	1.848	-2.643	30	Pass
5785	157		-4.946	1.848	-3.098		Pass
5825	165		-4.542	1.848	-2.694		Pass

Ant.1

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5180	36	802.11n_ HT20	-2.798	1.848	-0.950	11	Pass
5200	40		-2.639	1.848	-0.791		Pass
5240	48		-2.297	1.848	-0.449		Pass
5260	52		-1.835	1.263	-0.572		Pass
5300	60		-2.102	1.848	-0.254		Pass
5320	64		-1.989	1.848	-0.141		Pass
5500	100		-1.860	1.608	-0.252		Pass
5580	116		-1.593	1.848	0.255		Pass
5700	140		-2.252	1.848	-0.404		Pass
5745	149		-4.675	1.848	-2.827	30	Pass
5785	157		-4.768	1.848	-2.920		Pass
5825	165		-4.457	1.848	-2.609		Pass

■ Sum Data of Ant.0 and Ant.1

■ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5180	36	802.11n_ HT20	2.35	11	Pass
5200	40		2.17		Pass
5240	48		2.60		Pass
5260	52		2.57		Pass
5300	60		2.71		Pass
5320	64		2.68		Pass
5500	100		2.67		Pass
5580	116		3.05		Pass
5700	140		2.57		Pass
5745	149		0.28	30	Pass
5785	157		0.00		Pass
5825	165		0.36		Pass

TEST Plot for 802.11n\_HT20\_Ant.0

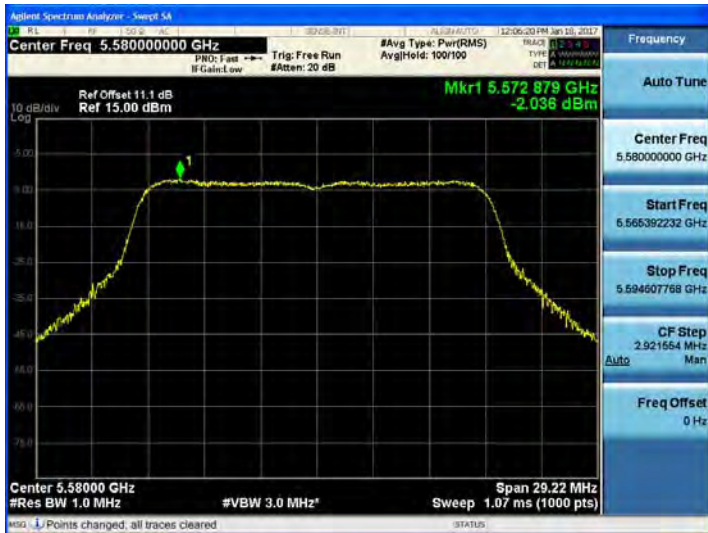
802.11n\_HT20 UNII 1 BAND PSD CH 48



802.11n\_HT20 UNII 2A BAND PSD CH 52



802.11n\_HT20 UNII 2C BAND PSD CH 116



802.11n\_HT20 UNII 3 BAND PSD CH 149



TEST Plot for 802.11n\_HT20\_Ant.1

802.11n\_HT20 UNII 1 BAND PSD CH 48



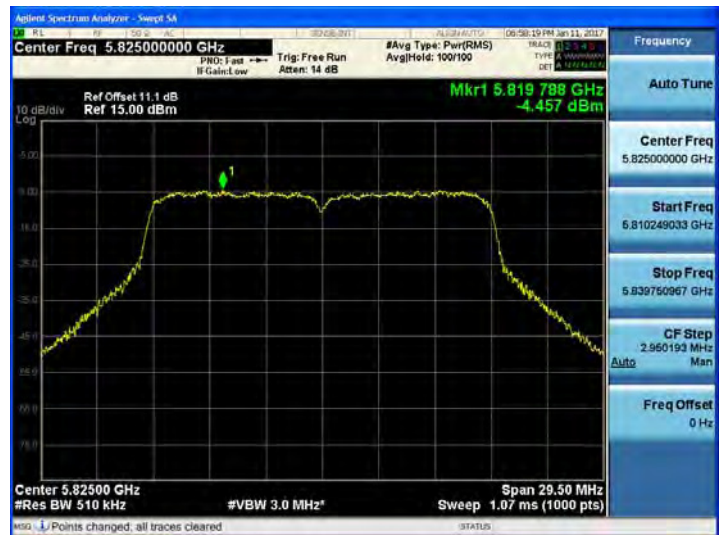
802.11n\_HT20 UNII 2A BAND PSD CH 64



802.11n\_HT20 UNII 2C BAND PSD CH 116



802.11n\_HT20 UNII 3 BAND PSD CH 165



Ant.0

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5180	36	802.11ac _VHT20	-2.189	1.510	-0.679	11	Pass
5200	40		-3.183	0.815	-2.368		Pass
5240	48		-1.589	0.815	-0.774		Pass
5260	52		-2.211	1.510	-0.701		Pass
5300	60		-2.085	1.124	-0.961		Pass
5320	64		-2.182	1.618	-0.564		Pass
5500	100		-1.391	0.815	-0.576		Pass
5580	116		-2.071	1.510	-0.561		Pass
5700	140		-2.087	1.510	-0.577		Pass
5745	149		-4.256	1.392	-2.864	30	Pass
5785	157		-4.817	1.510	-3.307		Pass
5825	165		-4.456	1.392	-3.064		Pass

Ant.1

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5180	36	802.11ac _VHT20	-1.960	0.833	-1.127	11	Pass
5200	40		-2.538	1.534	-1.004		Pass
5240	48		-2.398	1.833	-0.565		Pass
5260	52		-2.633	1.534	-1.099		Pass
5300	60		-2.037	1.534	-0.503		Pass
5320	64		-1.777	1.534	-0.243		Pass
5500	100		-1.701	1.534	-0.167		Pass
5580	116		-1.237	1.378	0.141		Pass
5700	140		-2.117	1.534	-0.583		Pass
5745	149		-4.162	0.833	-3.329	30	Pass
5785	157		-4.617	1.378	-3.239		Pass
5825	165		-4.194	1.534	-2.660		Pass

■ Sum Data of Ant.0 and Ant.1

■ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5180	36	802.11ac _VHT20	2.11	11	Pass
5200	40		1.38		Pass
5240	48		2.34		Pass
5260	52		2.11		Pass
5300	60		2.28		Pass
5320	64		2.61		Pass
5500	100		2.64		Pass
5580	116		2.81		Pass
5700	140		2.43		Pass
5745	149		-0.08	30	Pass
5785	157		-0.26		Pass
5825	165		0.15		Pass

TEST Plot for 802.11ac\_VHT20\_Ant.0

802.11ac\_VHT20 UNII 1 BAND PSD CH 36



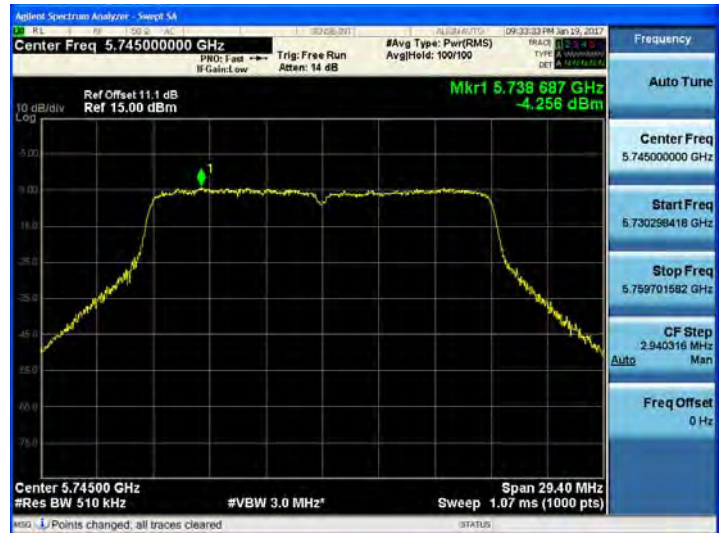
802.11ac\_VHT20 UNII 2A BAND PSD CH 64



802.11ac\_VHT20 UNII 2C BAND PSD CH 116



802.11ac\_VHT20 UNII 3 BAND PSD CH 149



TEST Plot for 802.11ac\_VHT20\_Ant.1

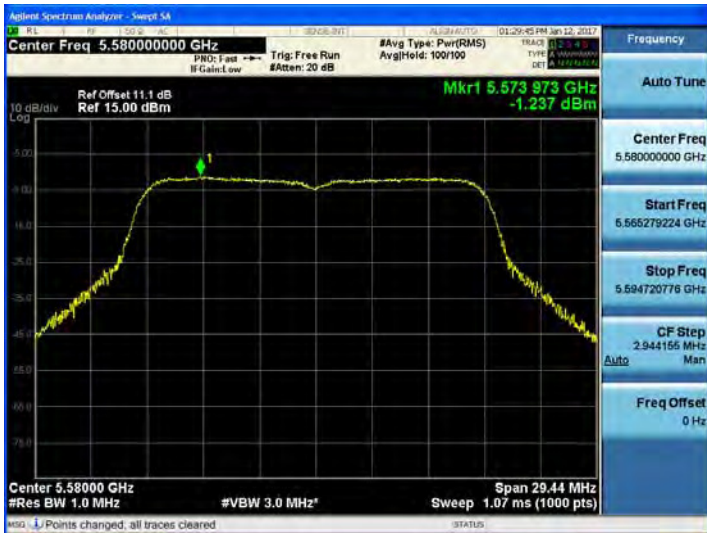
802.11ac\_VHT20 UNII 1 BAND PSD CH 48



802.11ac\_VHT20 UNII 2A BAND PSD CH 64



802.11ac\_VHT20 UNII 2C BAND PSD CH 116



802.11ac\_VHT20 UNII 3 BAND PSD CH 165



Ant.0

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5190	38	802.11n _HT40	-5.215	1.213	-4.002	11	Pass
5230	46		-5.274	0.871	-4.403		Pass
5270	54		-5.241	1.213	-4.028		Pass
5310	62		-5.294	1.213	-4.081		Pass
5510	102		-4.784	0.871	-3.913		Pass
5550	110		-6.176	1.989	-4.187		Pass
5670	134		-4.862	0.871	-3.991		Pass
5755	151		-7.761	0.871	-6.890	30	Pass
5795	159		-9.065	1.989	-7.076		Pass

Ant.1

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5190	38	802.11n _HT40	-5.157	0.472	-4.685	11	Pass
5230	46		-4.988	0.829	-4.159		Pass
5270	54		-4.745	0.472	-4.273		Pass
5310	62		-4.893	0.829	-4.064		Pass
5510	102		-4.561	0.472	-4.089		Pass
5550	110		-4.610	0.829	-3.781		Pass
5670	134		-6.727	2.687	-4.040		Pass
5755	151		-7.327	0.472	-6.855	30	Pass
5795	159		-7.690	0.829	-6.861		Pass

■ Sum Data of Ant.0 and Ant.1

■ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5190	38	802.11n _HT40	-1.32	11	Pass
5230	46		-1.27		Pass
5270	54		-1.14		Pass
5310	62		-1.06		Pass
5510	102		-0.99		Pass
5550	110		-0.97		Pass
5670	134		-1.01		Pass
5755	151		-3.86	30	Pass
5795	159		-3.96		Pass

TEST Plot for 802.11n\_HT40\_Ant.0

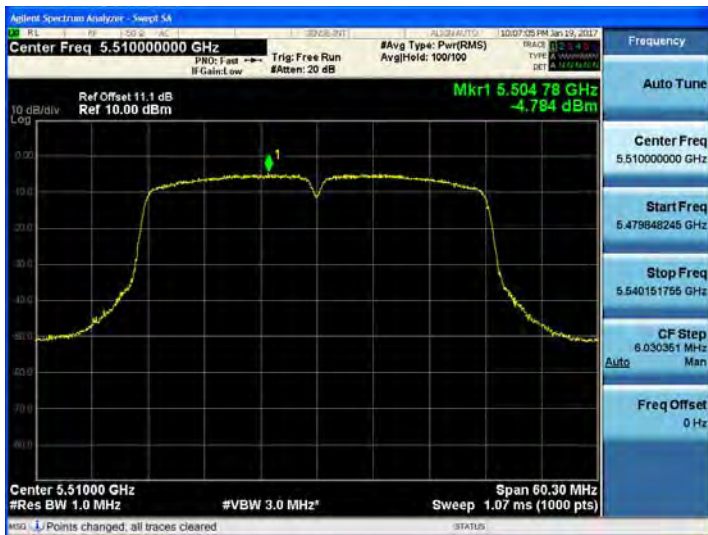
802.11n\_HT40 UNII 1 BAND PSD CH 38



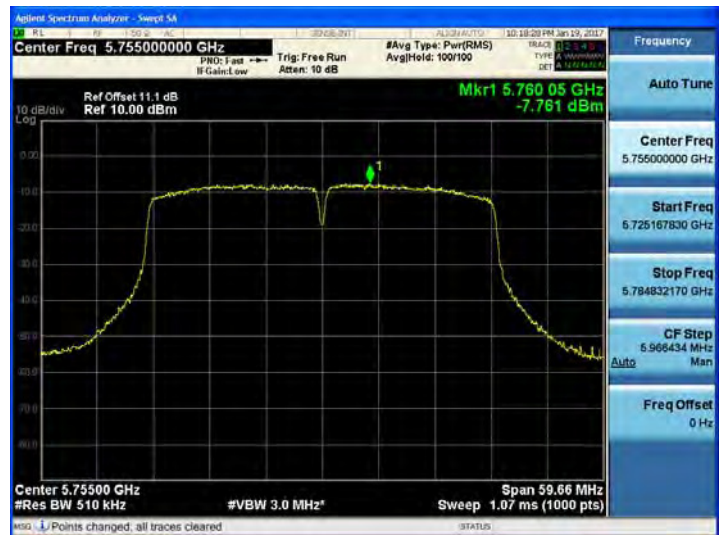
802.11n\_HT40 UNII 2A BAND PSD CH 54



802.11n\_HT40 UNII 2C BAND PSD CH 102

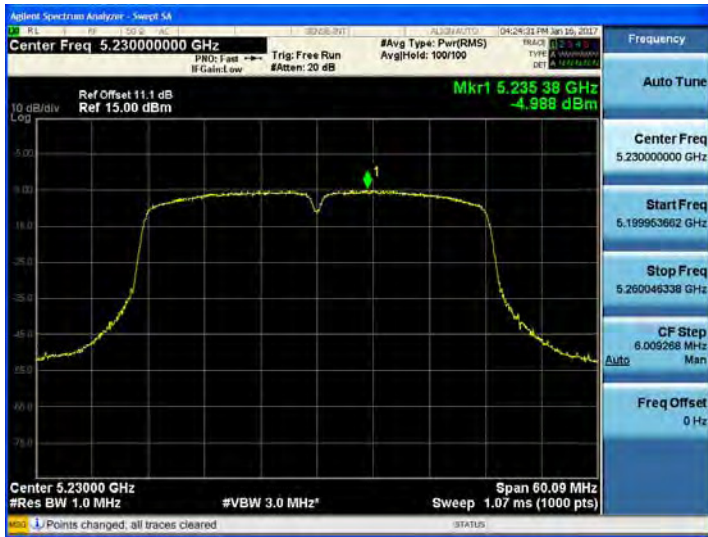


802.11n\_HT40 UNII 3 BAND PSD CH 151

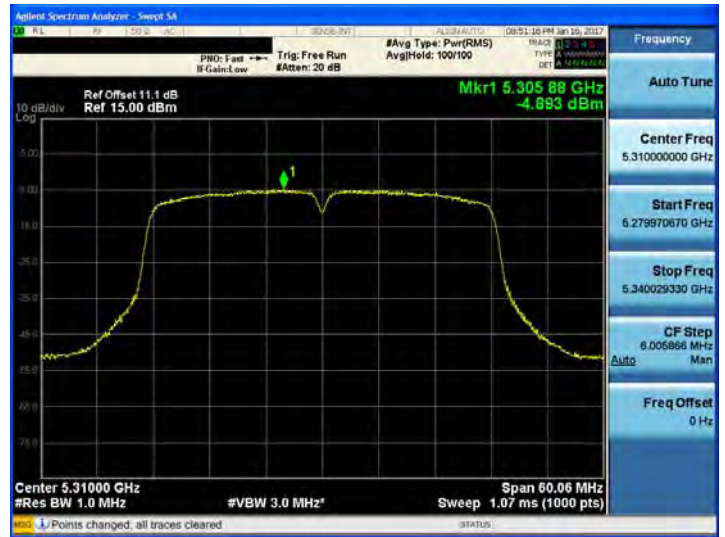


TEST Plot for 802.11n\_HT40\_Ant.1

802.11n\_HT40 UNII 1 BAND PSD CH 46



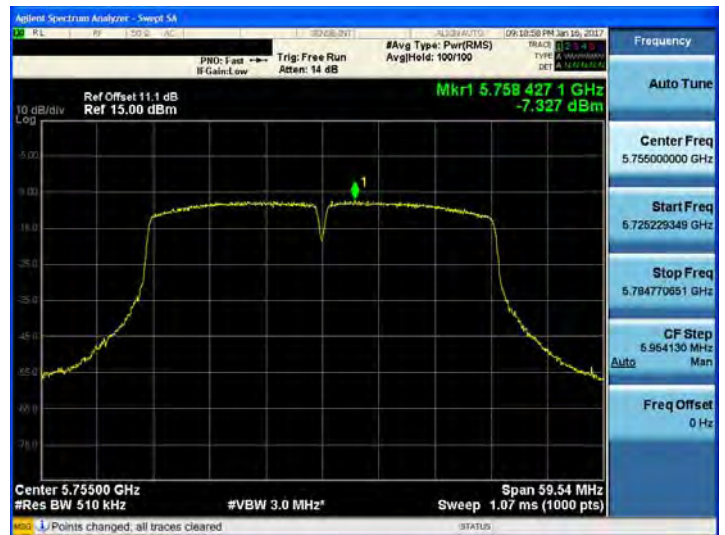
802.11n\_HT40 UNII 2A BAND PSD CH 62



802.11n\_HT40 UNII 2C BAND PSD CH 110



802.11n\_HT40 UNII 3 BAND PSD CH 151



Ant.0

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5190	38	802.11ac_VHT40	-4.769	0.469	-4.300	11	Pass
5230	46		-5.058	0.469	-4.589		Pass
5270	54		-4.812	0.469	-4.343		Pass
5310	62		-5.135	0.835	-4.300		Pass
5510	102		-5.308	1.208	-4.100		Pass
5550	110		-5.454	1.208	-4.246		Pass
5670	134		-5.855	2.310	-3.545		Pass
5755	151		-7.362	0.469	-6.893	30	Pass
5795	159		-7.480	0.469	-7.011		Pass

Ant.1

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5190	38	802.11ac_VHT40	-6.580	1.534	-5.046	11	Pass
5230	46		-5.368	1.198	-4.170		Pass
5270	54		-6.097	1.534	-4.563		Pass
5310	62		-5.971	1.534	-4.437		Pass
5510	102		-4.528	0.448	-4.080		Pass
5550	110		-5.399	1.534	-3.865		Pass
5670	134		-4.571	0.448	-4.123		Pass
5755	151		-7.831	1.198	-6.633	30	Pass
5795	159		-9.069	2.385	-6.684		Pass

■ Sum Data of Ant.0 and Ant.1

■ TEST RESULTS

Conducted Power Density Measurements

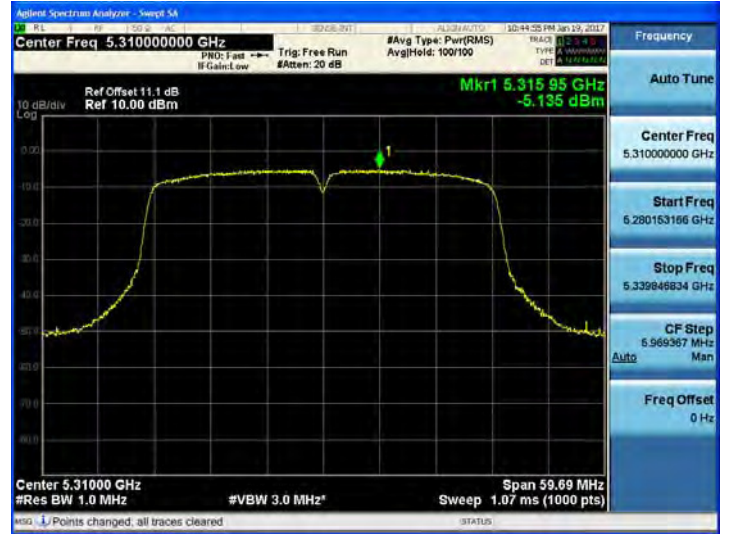
Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5190	38	802.11ac _VHT40	-1.65	11	Pass
5230	46		-1.36		Pass
5270	54		-1.44		Pass
5310	62		-1.36		Pass
5510	102		-1.08		Pass
5550	110		-1.04		Pass
5670	134		-0.81	Pass	
5755	151		-3.75	30	Pass
5795	159		-3.83		Pass

TEST Plot for 802.11ac\_VHT40\_Ant.0

802.11ac\_VHT40 UNII 1 BAND PSD CH 38



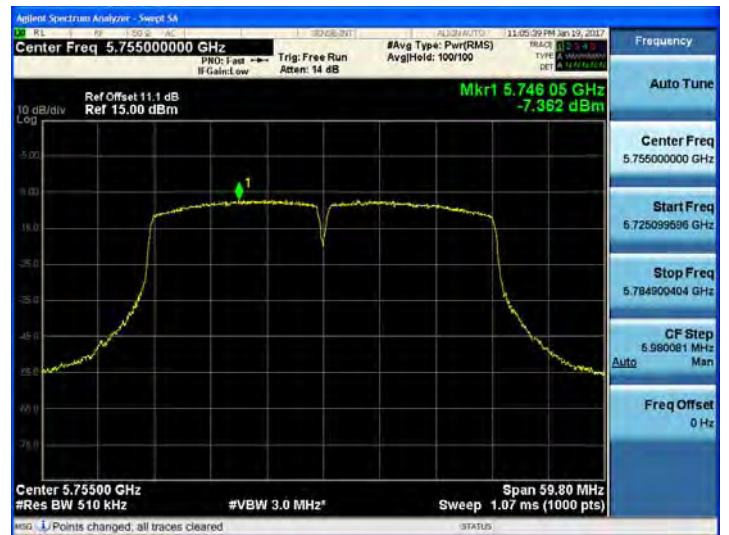
802.11ac\_VHT40 UNII 2A BAND PSD CH 62



802.11ac\_VHT40 UNII 2C BAND PSD CH 134



802.11ac\_VHT40 UNII 3 BAND PSD CH 151

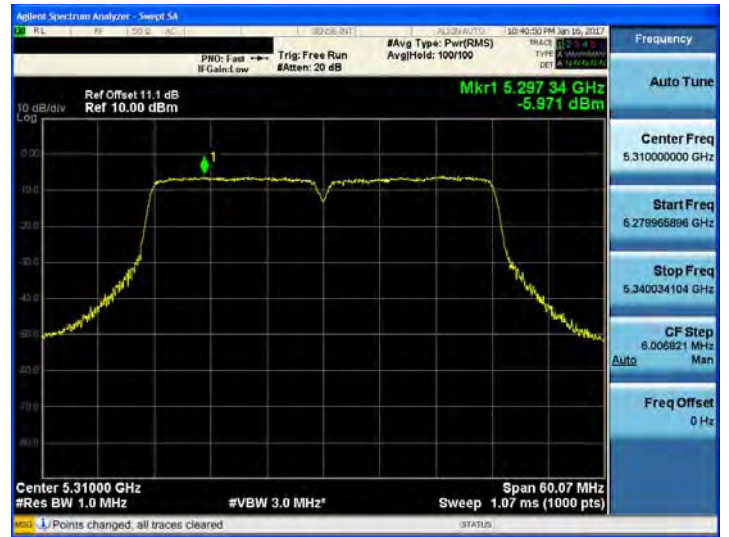


TEST Plot for 802.11ac\_VHT40\_Ant.1

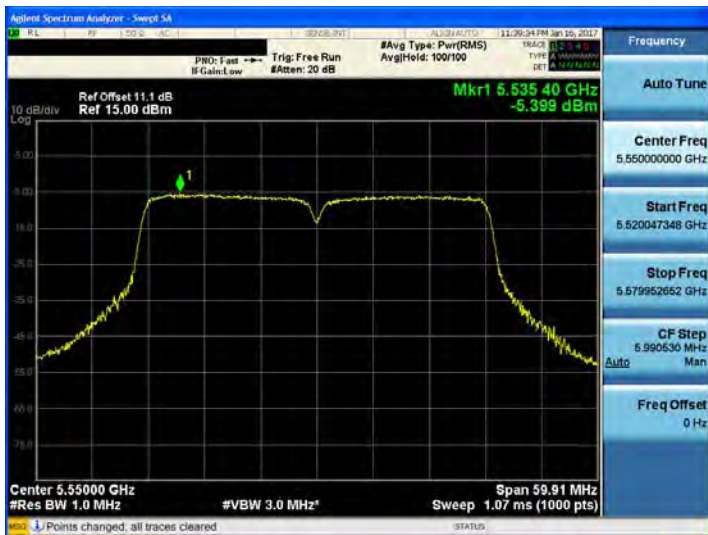
802.11ac\_VHT40 UNII 1 BAND PSD CH 46



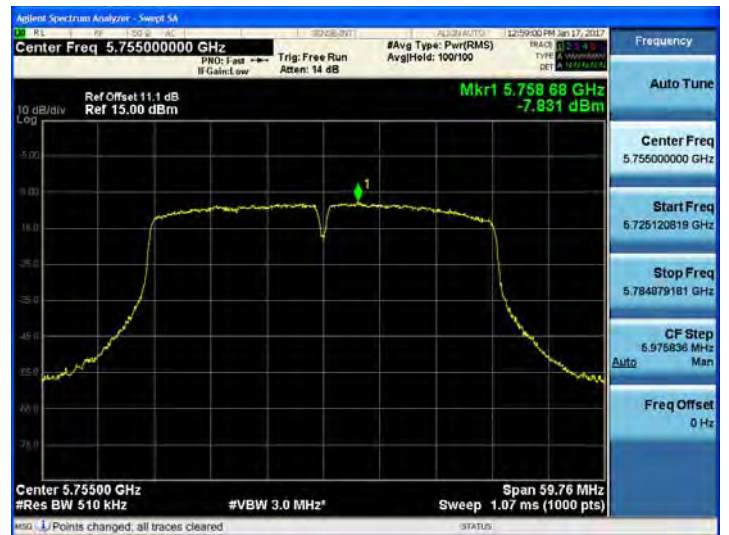
802.11ac\_VHT40 UNII 2A BAND PSD CH 62



802.11ac\_VHT40 UNII 2C BAND PSD CH 110



802.11ac\_VHT40 UNII 3 BAND PSD CH 151



**Ant.0**

**▣ TEST RESULTS**

**Conducted Power Density Measurements**

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5210	42	802.11ac _VHT80	-9.920	3.252	-6.668	11	Pass
5290	58		-9.193	2.014	-7.179		Pass
5530	106		-9.291	2.014	-7.277		Pass
5775	155		-12.030	3.252	-8.778	30	Pass

**Ant.1**

**▣ TEST RESULTS**

**Conducted Power Density Measurements**

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5210	42	802.11ac _VHT80	-10.242	3.460	-6.782	11	Pass
5290	58		-10.330	3.530	-6.800		Pass
5530	106		-10.041	3.460	-6.581		Pass
5775	155		-11.773	3.460	-8.313	30	Pass

■ Sum Data of Ant.0 and Ant.1

■ TEST RESULTS

## Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5210	42	802.11ac _VHT80	-3.715	11	Pass
5290	58		-3.977		Pass
5530	106		-3.912		Pass
5775	155		-5.532	30	Pass

TEST Plot for 802.11ac\_VHT80\_Ant.0

802.11ac\_VHT80 UNII 1 BAND PSD CH 42



802.11ac\_VHT80 UNII 2A BAND PSD CH 58



802.11ac\_VHT80 UNII 2C BAND PSD CH 106



802.11ac\_VHT80 UNII 3 BAND PSD CH 155



TEST Plot for 802.11ac\_VHT80\_Ant.1

802.11ac\_VHT80 UNII 1 BAND PSD CH 42



802.11ac\_VHT80 UNII 2A BAND PSD CH 58



802.11ac\_VHT80 UNII 2C BAND PSD CH 106



802.11ac\_VHT80 UNII 3 BAND PSD CH 155



### 9.6 FREQUENCY STABILITY.

The EUT was placed inside an environmental chamber as the temperature in the chamber was varied between -30 °C and 50 °C. The temperature was incremented by 10 °C intervals and the unit was allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded.

[Ant.0]

#### 20 MHz BW

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,180,000,000 Hz  
 CHANNEL: 36  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.70	+20(Ref)	5180002.76	2.76
Normal		-30	5180003.91	3.91
Normal		-20	5180003.67	3.67
Normal		-10	5180003.48	3.48
Normal		0	5180003.21	3.21
Normal		+10	5180002.97	2.97
Normal		+30	5180002.47	2.47
Normal		+40	5180002.19	2.19
Normal		+50	5180001.78	1.78
High	8.80	+20	5180002.49	2.49
Low	7.35	+20	5180002.93	2.93

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,260,000,000 Hz  
 CHANNEL: 52  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.70	+20(Ref)	5259993.44	-6.56
Normal		-30	5259994.80	-5.20
Normal		-20	5259994.29	-5.71
Normal		-10	5259994.02	-5.98
Normal		0	5259993.73	-6.27
Normal		+10	5259993.56	-6.44
Normal		+30	5259993.19	-6.81
Normal		+40	5259992.79	-7.21
Normal		+50	5259992.32	-7.68
High	8.80	+20	5259993.56	-6.44
Low	7.35	+20	5259993.13	-6.87

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C  
 OPERATING FREQUENCY: 5,500,000,000 Hz  
 CHANNEL: 100  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.70	+20(Ref)	5500008.41	8.41
Normal		-30	5500009.88	9.88
Normal		-20	5500009.57	9.57
Normal		-10	5500009.31	9.31
Normal		0	5500008.97	8.97
Normal		+10	5500008.65	8.65
Normal		+30	5500008.10	8.1
Normal		+40	5500007.78	7.78
Normal		+50	5500007.38	7.38
High		8.80	+20	5500008.68
Low	7.35	+20	5500009.01	9.01

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,745,000,000 Hz  
 CHANNEL: 149  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.70	+20(Ref)	5745010.57	10.57
Normal		-30	5745012.21	12.21
Normal		-20	5745011.74	11.74
Normal		-10	5745011.34	11.34
Normal		0	5745011.05	11.05
Normal		+10	5745010.71	10.71
Normal		+30	5745010.18	10.18
Normal		+40	5745009.77	9.77
Normal		+50	5745009.53	9.53
High	8.80	+20	5745010.67	10.67
Low	7.35	+20	5745010.88	10.88

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**40 MHz BW**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,190,000,000 Hz  
 CHANNEL: 38  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.7	+20(Ref)	5189998.15	-1.85
Normal		-30	5189997.07	-2.93
Normal		-20	5189997.23	-2.77
Normal		-10	5189997.49	-2.51
Normal		0	5189997.76	-2.24
Normal		+10	5189997.97	-2.03
Normal		+30	5189998.42	-1.58
Normal		+40	5189998.61	-1.39
Normal		+50	5189998.89	-1.11
High		8.80	+20	5189997.52
Low	7.35	+20	5189997.31	-2.69

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,270,000,000 Hz  
 CHANNEL: 54  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.7	+20(Ref)	5269995.48	-4.52
Normal		-30	5269994.51	-5.49
Normal		-20	5269994.72	-5.28
Normal		-10	5269994.89	-5.11
Normal		0	5269995.05	-4.95
Normal		+10	5269995.27	-4.73
Normal		+30	5269995.61	-4.39
Normal		+40	5269995.78	-4.22
Normal		+50	5269995.93	-4.07
High		8.80	+20	5269995.18
Low	7.35	+20	5269994.89	-5.11

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C  
 OPERATING FREQUENCY: 5,510,000,000 Hz  
 CHANNEL: 102  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.7	+20(Ref)	5509991.85	-8.15
Normal		-30	5509991.07	-8.93
Normal		-20	5509991.23	-8.77
Normal		-10	5509991.37	-8.63
Normal		0	5509991.49	-8.51
Normal		+10	5509991.66	-8.34
Normal		+30	5509992.12	-7.88
Normal		+40	5509992.31	-7.69
Normal		+50	5509992.49	-7.51
High	8.80	+20	5509991.77	-8.23
Low	7.35	+20	5509991.59	-8.41

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,755,000,000 Hz  
 CHANNEL: 151  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.7	+20(Ref)	5754993.53	-6.47
Normal		-30	5754992.17	-7.83
Normal		-20	5754992.46	-7.54
Normal		-10	5754992.90	-7.1
Normal		0	5754993.22	-6.78
Normal		+10	5754993.35	-6.65
Normal		+30	5754993.65	-6.35
Normal		+40	5754993.82	-6.18
Normal		+50	5754993.98	-6.02
High	8.80	+20	5754993.67	-6.33
Low	7.35	+20	5754993.43	-6.57

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**80 MHz BW**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,210,000,000 Hz  
 CHANNEL: 42  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.7	+20(Ref)	5210007.41	7.41
Normal		-30	5210009.03	9.03
Normal		-20	5210008.57	8.57
Normal		-10	5210008.31	8.31
Normal		0	5210007.91	7.91
Normal		+10	5210007.65	7.65
Normal		+30	5210007.18	7.18
Normal		+40	5210006.94	6.94
Normal		+50	5210006.55	6.55
High		8.80	+20	5210008.25
Low	7.35	+20	5210008.57	8.57

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,290,000,000 Hz  
 CHANNEL: 58  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.7	+20(Ref)	5289998.20	-1.80
Normal		-30	5289999.62	-0.38
Normal		-20	5289999.33	-0.67
Normal		-10	5289999.11	-0.89
Normal		0	5289998.89	-1.11
Normal		+10	5289998.55	-1.45
Normal		+30	5289997.79	-2.21
Normal		+40	5289997.42	-2.58
Normal		+50	5289997.09	-2.91
High		8.80	+20	5289997.67
Low	7.35	+20	5289997.86	-2.14

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C  
 OPERATING FREQUENCY: 5,530,000,000 Hz  
 CHANNEL: 106  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.7	+20(Ref)	5530005.40	5.40
Normal		-30	5530007.02	7.02
Normal		-20	5530006.55	6.55
Normal		-10	5530006.22	6.22
Normal		0	5530005.97	5.97
Normal		+10	5530005.68	5.68
Normal		+30	5530005.11	5.11
Normal		+40	5530004.78	4.78
Normal		+50	5530004.40	4.40
High	8.80	+20	5530005.88	5.88
Low	7.35	+20	5530006.28	6.28

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,775,000,000 Hz  
 CHANNEL: 155  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.7	+20(Ref)	5775002.34	2.34
Normal		-30	5775004.55	4.55
Normal		-20	5775004.24	4.24
Normal		-10	5775003.98	3.98
Normal		0	5775003.76	3.76
Normal		+10	5775003.58	3.58
Normal		+30	5775002.11	2.11
Normal		+40	5775001.84	1.84
Normal		+50	5775001.59	1.59
High		8.80	+20	5775002.54
Low	7.35	+20	5775002.88	2.88

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**[Ant.1]**

**20 MHz BW**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,180,000,000 Hz  
 CHANNEL: 36  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.70	+20(Ref)	5180002.99	2.99
Normal		-30	5180004.12	4.12
Normal		-20	5180003.84	3.84
Normal		-10	5180003.64	3.64
Normal		0	5180003.41	3.41
Normal		+10	5180003.22	3.22
Normal		+30	5180002.84	2.84
Normal		+40	5180002.51	2.51
Normal		+50	5180002.22	2.22
High	8.80	+20	5180002.63	2.63
Low	7.35	+20	5180002.88	2.88

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,260,000,000 Hz  
 CHANNEL: 52  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.70	+20(Ref)	5259993.13	-6.87
Normal		-30	5259994.57	-5.43
Normal		-20	5259994.19	-5.81
Normal		-10	5259993.79	-6.21
Normal		0	5259993.52	-6.48
Normal		+10	5259993.29	-6.71
Normal		+30	5259993.01	-6.99
Normal		+40	5259992.66	-7.34
Normal		+50	5259992.15	-7.85
High	8.80	+20	5259993.45	-6.55
Low	7.35	+20	5259993.09	-6.91

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C  
 OPERATING FREQUENCY: 5,500,000,000 Hz  
 CHANNEL: 100  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.70	+20(Ref)	5500008.22	8.22
Normal		-30	5500009.61	9.61
Normal		-20	5500009.33	9.33
Normal		-10	5500009.18	9.18
Normal		0	5500008.71	8.71
Normal		+10	5500008.38	8.38
Normal		+30	5500007.84	7.84
Normal		+40	5500007.54	7.54
Normal		+50	5500007.11	7.11
High	8.80	+20	5500008.53	8.53
Low	7.35	+20	5500008.81	8.81

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,745,000,000 Hz  
 CHANNEL: 149  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.70	+20(Ref)	5745010.46	10.46
Normal		-30	5745012.18	12.18
Normal		-20	5745011.93	11.93
Normal		-10	5745011.42	11.42
Normal		0	5745011.22	11.22
Normal		+10	5745010.86	10.86
Normal		+30	5745010.44	10.44
Normal		+40	5745009.86	9.86
Normal		+50	5745009.63	9.63
High	8.80	+20	5745010.56	10.56
Low	7.35	+20	5745010.71	10.71

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**40 MHz BW**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,190,000,000 Hz  
 CHANNEL: 38  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.7	+20(Ref)	5189997.79	-2.21
Normal		-30	5189997.16	-2.84
Normal		-20	5189997.07	-2.93
Normal		-10	5189997.37	-2.63
Normal		0	5189997.57	-2.43
Normal		+10	5189997.89	-2.11
Normal		+30	5189998.37	-1.63
Normal		+40	5189998.57	-1.43
Normal		+50	5189998.79	-1.21
High		8.80	+20	5189997.46
Low	7.35	+20	5189997.01	-2.99

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,270,000,000 Hz  
 CHANNEL: 54  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.7	+20(Ref)	5269995.43	-4.57
Normal		-30	5269994.15	-5.85
Normal		-20	5269994.63	-5.37
Normal		-10	5269994.71	-5.29
Normal		0	5269994.89	-5.11
Normal		+10	5269995.01	-4.99
Normal		+30	5269995.48	-4.52
Normal		+40	5269995.58	-4.42
Normal		+50	5269995.83	-4.17
High		8.80	+20	5269995.24
Low	7.35	+20	5269994.82	-5.18

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C  
 OPERATING FREQUENCY: 5,510,000,000 Hz  
 CHANNEL: 102  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.7	+20(Ref)	5509991.72	-8.28
Normal		-30	5509990.96	-9.04
Normal		-20	5509991.07	-8.93
Normal		-10	5509991.55	-8.45
Normal		0	5509991.72	-8.28
Normal		+10	5509991.89	-8.11
Normal		+30	5509992.13	-7.87
Normal		+40	5509992.39	-7.61
Normal		+50	5509992.61	-7.39
High	8.80	+20	5509991.67	-8.33
Low	7.35	+20	5509991.71	-8.29

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,755,000,000 Hz  
 CHANNEL: 151  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.7	+20(Ref)	5754993.62	-6.38
Normal		-30	5754992.02	-7.98
Normal		-20	5754992.32	-7.68
Normal		-10	5754992.75	-7.25
Normal		0	5754993.07	-6.93
Normal		+10	5754993.16	-6.84
Normal		+30	5754993.47	-6.53
Normal		+40	5754993.62	-6.38
Normal		+50	5754993.73	-6.27
High		8.80	+20	5754993.52
Low	7.35	+20	5754993.19	-6.81

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**80 MHz BW**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,210,000,000 Hz  
 CHANNEL: 42  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.7	+20(Ref)	5210007.53	7.53
Normal		-30	5210009.15	9.15
Normal		-20	5210008.63	8.63
Normal		-10	5210008.42	8.42
Normal		0	5210008.02	8.02
Normal		+10	5210007.76	7.76
Normal		+30	5210007.32	7.32
Normal		+40	5210007.21	7.21
Normal		+50	5210006.71	6.71
High	8.80	+20	5210008.41	8.41
Low	7.35	+20	5210008.69	8.69

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,290,000,000 Hz  
 CHANNEL: 58  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.7	+20(Ref)	5289997.89	-2.11
Normal		-30	5289999.52	-0.48
Normal		-20	5289999.19	-0.81
Normal		-10	5289999.04	-0.96
Normal		0	5289998.68	-1.32
Normal		+10	5289998.35	-1.65
Normal		+30	5289997.53	-2.47
Normal		+40	5289997.14	-2.86
Normal		+50	5289996.89	-3.11
High		8.80	+20	5289997.47
Low	7.35	+20	5289997.66	-2.34

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C  
 OPERATING FREQUENCY: 5,530,000,000 Hz  
 CHANNEL: 106  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.7	+20(Ref)	5530005.60	5.60
Normal		-30	5530007.15	7.15
Normal		-20	5530006.70	6.7
Normal		-10	5530006.34	6.34
Normal		0	5530006.05	6.05
Normal		+10	5530005.93	5.93
Normal		+30	5530005.27	5.27
Normal		+40	5530004.93	4.93
Normal		+50	5530004.62	4.62
High	8.80	+20	5530005.93	5.93
Low	7.35	+20	5530006.37	6.37

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,775,000,000 Hz  
 CHANNEL: 155  
 REFERENCE VOLTAGE: 7.7 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
Normal	7.7	+20(Ref)	5775002.43	2.43
Normal		-30	5775004.62	4.62
Normal		-20	5775004.43	4.43
Normal		-10	5775004.13	4.13
Normal		0	5775003.94	3.94
Normal		+10	5775003.84	3.84
Normal		+30	5775002.32	2.32
Normal		+40	5775001.93	1.93
Normal		+50	5775001.76	1.76
High		8.80	+20	5775002.37
Low	7.35	+20	5775002.84	2.84

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**9.7 RADIATED MEASUREMENT****9.7.1 RADIATED SPURIOUS EMISSIONS.**

Frequency (MHz)	Field Strength (uV/m)	Measurement Distance (m)
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

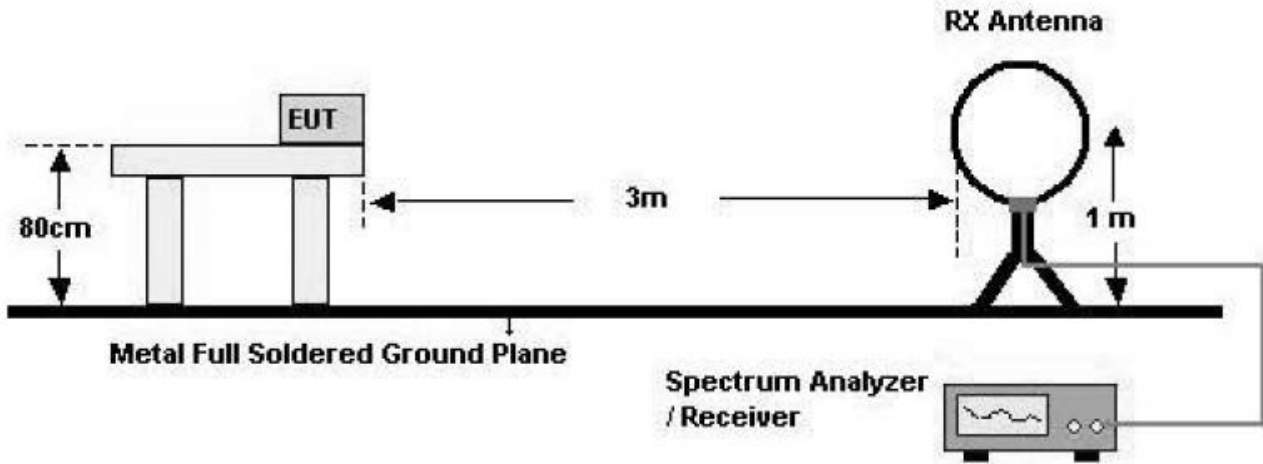
**■ KDB 789033 D02**

All harmonics that do not lie in a restricted band are subject to a peak limit of -27 dBm/MHz. At a distance of 3 meters the field strength limit in dB $\mu$ V/m can be determined by adding a “conversion” factor of 95.2 dB to the EIRP limit of -27 dBm/MHz to obtain the limit for out of band spurious emissions of 68.2 dB $\mu$ V/m.

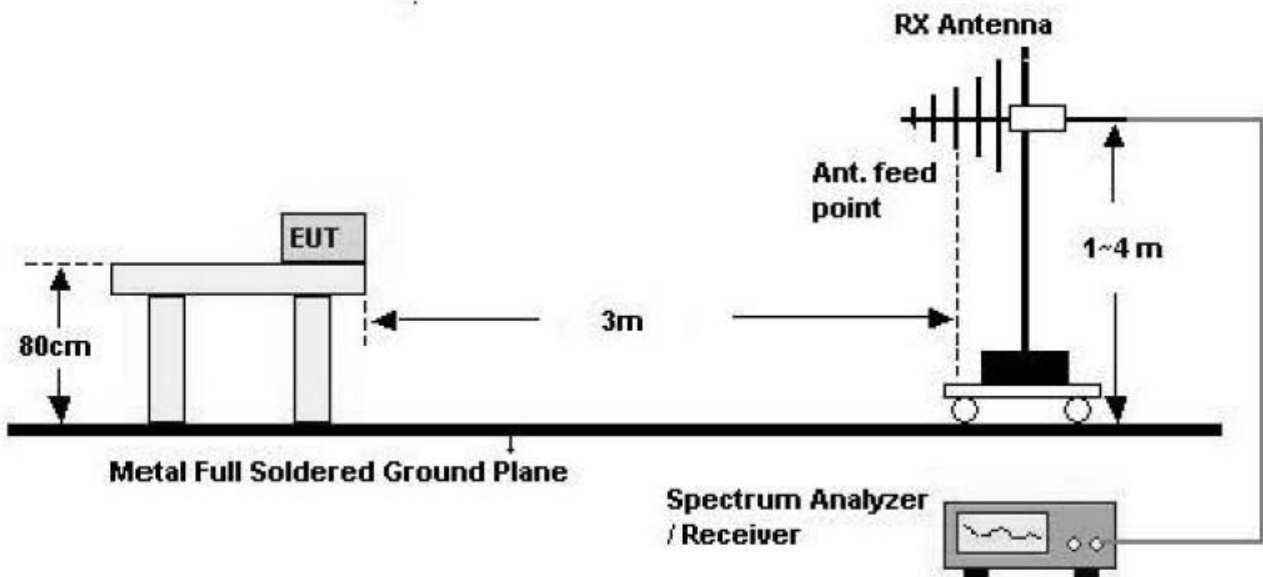
Especially, for transmitter operating in the 5725 Mhz – 5850 MHz : all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequency 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

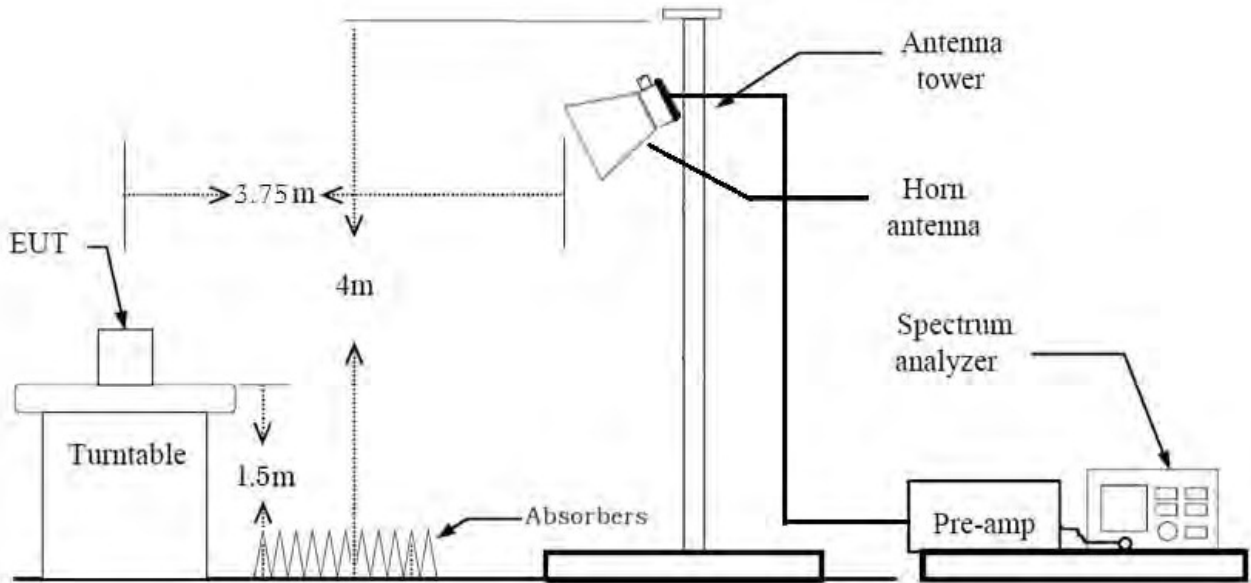
**Test Configuration**

**Below 30 MHz**



**30 MHz - 1 GHz**



**Above 1 GHz****TEST PROCEDURE USED**

ANSI C63.10:2013

Method G)5) in KDB 789033 D02 v01r03 (Peak)

Method G)6)d) in KDB 789033 D02 v01r03 (Average)

**. Spectrum setting:**

- Peak.

1. RBW = 1 MHz

2. VBW  $\geq$  3 MHz

3. Detector = Peak

4. Sweep Time = auto

5. Trace mode = max hold

6. Allow sweeps to continue until the trace stabilizes.

7. Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately  $1/x$ , where  $x$  is the duty cycle.

- Average ( Method VB :Averaging using reduced video bandwidth)

1. RBW = 1 MHz

2. VBW

2.1. If the EUT is configured to transmit with duty cycle  $\geq 98$  percent, set  $VBW \leq RBW/100$ (i.e., 10 kHz) but not less than 10 Hz.

2.2. If the EUT duty cycle is  $< 98$  percent, set  $VBW \geq 1/T$ , where T is the minimum transmission duration.

3. The analyzer is set to linear detector mode.

4. Detector = Peak.

5. Sweep time = auto.

6. Trace mode = max hold.

7. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98 percent duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of  $1/x$ , where x is the duty cycle.

**Note :**

1. We used the Method VB for 802.11a/n\_HT20, n\_HT40, ac\_VHT20, 40, 80 mode to perform the average filed strength measurements.

2. The actual setting value of VBW for 802.11a/n\_HT20, n\_HT40, ac\_VHT20, 40, 80

3. According to SVSWR requirement in ANSI 63.4-2014, We performed the radiated test at 3.75 m distance from center of turn table. So, we applied the distance factor( reference distance : 3 m).

4. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Mode	Worst Data rate (Mbps)	T <sub>on</sub> (ms)	T <sub>total</sub> (ms)	Duty Cycle (%)	VBW(1/T) (Hz)	The actual setting value of VBW (Hz)
<b>a</b>	<b>6</b>	<b>2.064</b>	<b>2.181</b>	<b>0.94620185</b>	<b>485</b>	<b>1000</b>
<b>n_HT20</b>	<b>MCS 0</b>	<b>1.925</b>	<b>2.040</b>	<b>0.94371997</b>	<b>519</b>	<b>1000</b>
<b>ac_VHT20</b>	<b>MCS 0</b>	<b>1.933</b>	<b>2.045</b>	<b>0.94491842</b>	<b>517</b>	<b>1000</b>
<b>n_HT40</b>	<b>MCS 0</b>	<b>0.947</b>	<b>1.052</b>	<b>0.90061137</b>	<b>1056</b>	<b>3000</b>
<b>ac_VHT40</b>	<b>MCS 0</b>	<b>0.954</b>	<b>1.062</b>	<b>0.89759036</b>	<b>1049</b>	<b>3000</b>
<b>ac_VHT80</b>	<b>MCS 0</b>	<b>0.600</b>	<b>0.705</b>	<b>0.85031192</b>	<b>1667</b>	<b>3000</b>

**TEST RESULTS****9 kHz – 30MHz****Operation Mode:** Normal Mode

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dB $\mu$ V	dB /m	dB	(H/V)	dB $\mu$ V/m	dB $\mu$ V/m	dB
No Critical peaks found							

**Notes:**

1. Measuring frequencies from 9 kHz to the 30MHz.
2. The reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
3. Distance extrapolation factor = 40 log (specific distance / test distance) (dB)
4. Limit line = specific Limits (dBuV) + Distance extrapolation factor
5. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

**TEST RESULTS****Below 1 GHz****Operation Mode:** Normal Mode

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	$\text{dB}\mu\text{V}$	$\text{dB}/\text{m}$	$\text{dB}$	(H/V)	$\text{dB}\mu\text{V}/\text{m}$	$\text{dB}\mu\text{V}/\text{m}$	$\text{dB}$
No Critical peaks found							

**Notes:**

1. Measuring frequencies from 30 MHz to the 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

**Above 1 GHz**

**[Only tablet]**

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	53.57	-2.75	V	50.82	68.20	17.38	PK
15540	52.61	-1.23	V	51.38	73.98	22.60	PK
15540	38.27	-1.23	V	37.04	53.98	16.94	AV
10360	54.15	-2.75	H	51.40	68.20	16.80	PK
15540	52.50	-1.23	H	51.27	73.98	22.71	PK
15540	38.36	-1.23	H	37.13	53.98	16.85	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 1  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5200 MHz  
 Channel No. 40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	52.69	-2.60	V	50.09	68.20	18.11	PK
15600	52.44	-2.26	V	50.18	73.98	23.80	PK
15600	38.26	-2.26	V	36.00	53.98	17.98	AV
10400	53.13	-2.60	H	50.53	68.20	17.67	PK
15600	52.67	-2.26	H	50.41	73.98	23.57	PK
15600	38.44	-2.26	H	36.18	53.98	17.80	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 1  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5240 MHz  
 Channel No. 48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	53.53	-3.54	V	49.99	68.20	18.21	PK
15720	51.94	-2.64	V	49.30	73.98	24.68	PK
15720	38.53	-2.64	V	35.89	53.98	18.09	AV
10480	54.05	-3.54	H	50.51	68.20	17.69	PK
15720	52.25	-2.64	H	49.61	73.98	24.37	PK
15720	38.67	-2.64	H	36.03	53.98	17.95	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	54.38	-2.75	V	51.63	68.20	16.57	PK
15540	52.13	-1.23	V	50.90	73.98	23.08	PK
15540	38.06	-1.23	V	36.83	53.98	17.15	AV
10360	54.83	-2.75	H	52.08	68.20	16.12	PK
15540	52.43	-1.23	H	51.20	73.98	22.78	PK
15540	38.24	-1.23	H	37.01	53.98	16.97	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 1  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5200 MHz  
 Channel No. 40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	53.09	-2.60	V	50.49	68.20	17.71	PK
15600	51.84	-2.26	V	49.58	73.98	24.40	PK
15600	38.17	-2.26	V	35.91	53.98	18.07	AV
10400	53.42	-2.60	H	50.82	68.20	17.38	PK
15600	52.40	-2.26	H	50.14	73.98	23.84	PK
15600	38.29	-2.26	H	36.03	53.98	17.95	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 1  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5240 MHz  
 Channel No. 48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	53.56	-3.54	V	50.02	68.20	18.18	PK
15720	51.97	-2.64	V	49.33	73.98	24.65	PK
15720	38.42	-2.64	V	35.78	53.98	18.20	AV
10480	53.93	-3.54	H	50.39	68.20	17.81	PK
15720	52.33	-2.64	H	49.69	73.98	24.29	PK
15720	38.63	-2.64	H	35.99	53.98	17.99	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	53.96	-2.75	V	51.21	68.20	16.99	PK
15540	51.84	-1.23	V	50.61	73.98	23.37	PK
15540	38.17	-1.23	V	36.94	53.98	17.04	AV
10360	54.31	-2.75	H	51.56	68.20	16.64	PK
15540	52.59	-1.23	H	51.36	73.98	22.62	PK
15540	38.33	-1.23	H	37.10	53.98	16.88	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band : UNII 1  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5200 MHz  
 Channel No. 40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	52.64	-2.60	V	50.04	68.20	18.16	PK
15600	51.76	-2.26	V	49.50	73.98	24.48	PK
15600	38.24	-2.26	V	35.98	53.98	18.00	AV
10400	53.02	-2.60	H	50.42	68.20	17.78	PK
15600	52.37	-2.26	H	50.11	73.98	23.87	PK
15600	38.49	-2.26	H	36.23	53.98	17.75	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 1  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5240 MHz  
 Channel No. 48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	53.86	-3.54	V	50.32	68.20	17.88	PK
15720	52.10	-2.64	V	49.46	73.98	24.52	PK
15720	38.49	-2.64	V	35.85	53.98	18.13	AV
10480	54.23	-3.54	H	50.69	68.20	17.51	PK
15720	52.56	-2.64	H	49.92	73.98	24.06	PK
15720	38.73	-2.64	H	36.09	53.98	17.89	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 1  
 Operation Mode: 802.11n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5190 MHz  
 Channel No. 38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	52.69	-2.74	V	49.95	68.20	18.25	PK
15570	51.53	-1.95	V	49.58	73.98	24.40	PK
15570	38.76	-1.95	V	36.81	53.98	17.17	AV
10380	53.28	-2.74	H	50.54	68.20	17.66	PK
15570	52.57	-1.95	H	50.62	73.98	23.36	PK
15570	38.99	-1.95	H	37.04	53.98	16.94	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 1  
 Operation Mode: 802.11n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5230 MHz  
 Channel No. 46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	54.36	-3.07	V	51.29	68.20	16.91	PK
15690	52.17	-0.73	V	51.44	73.98	22.54	PK
15690	38.81	-0.73	V	38.08	53.98	15.90	AV
10460	55.09	-3.07	H	52.02	68.20	16.18	PK
15690	52.71	-0.73	H	51.98	73.98	22.00	PK
15690	39.13	-0.73	H	38.40	53.98	15.58	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 1  
 Operation Mode: 802.11ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency 5190 MHz  
 Channel No. 38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	53.37	-2.74	V	50.63	68.20	17.57	PK
15570	52.11	-1.95	V	50.16	73.98	23.82	PK
15570	38.64	-1.95	V	36.69	53.98	17.29	AV
10380	53.79	-2.74	H	51.05	68.20	17.15	PK
15570	52.51	-1.95	H	50.56	73.98	23.42	PK
15570	38.85	-1.95	H	36.90	53.98	17.08	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	54.29	-3.07	V	51.22	68.20	16.98	PK
15690	52.13	-0.73	V	51.40	73.98	22.58	PK
15690	38.77	-0.73	V	38.04	53.98	15.94	AV
10460	55.03	-3.07	H	51.96	68.20	16.24	PK
15690	52.64	-0.73	H	51.91	73.98	22.07	PK
15690	39.16	-0.73	H	38.43	53.98	15.55	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10420	53.24	-2.88	V	50.36	68.20	17.84	PK
15630	51.65	-1.88	V	49.77	73.98	24.21	PK
15630	38.97	-1.88	V	37.09	53.98	16.89	AV
10420	53.79	-2.88	H	50.91	68.20	17.29	PK
15630	52.14	-1.88	H	50.26	73.98	23.72	PK
15630	39.35	-1.88	H	37.47	53.98	16.51	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT80. Worst case is MCS0 in 802.11ac\_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2A  
 Operation Mode: 802.11 a  
 Transfer MCS Index: 6 Mbps  
 Operating Frequency 5260 MHz  
 Channel No. 52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	53.91	-2.97	V	50.94	68.20	17.26	PK
15780	51.99	-1.86	V	50.13	73.98	23.85	PK
15780	38.14	-1.86	V	36.28	53.98	17.70	AV
10520	53.62	-2.97	H	50.65	68.20	17.55	PK
15780	51.35	-1.86	H	49.49	73.98	24.49	PK
15780	37.87	-1.86	H	36.01	53.98	17.97	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2A  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5300 MHz  
 Channel No. 60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	53.71	-3.22	V	50.49	73.98	23.49	PK
10600	41.93	-3.22	V	38.71	53.98	15.27	AV
15900	52.11	-2.44	V	49.67	73.98	24.31	PK
15900	38.06	-2.44	V	35.62	53.98	18.36	AV
10600	53.58	-3.22	H	50.36	73.98	23.62	PK
10600	41.77	-3.22	H	38.55	53.98	15.43	AV
15900	51.28	-2.44	H	48.84	73.98	25.14	PK
15900	37.78	-2.44	H	35.34	53.98	18.64	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2A  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	53.62	-3.27	V	50.35	73.98	23.63	PK
10640	42.06	-3.27	V	38.79	53.98	15.19	AV
15960	51.24	-2.89	V	48.35	73.98	25.63	PK
15960	37.23	-2.89	V	34.34	53.98	19.64	AV
10640	53.36	-3.27	H	50.09	73.98	23.89	PK
10640	41.89	-3.27	H	38.62	53.98	15.36	AV
15960	50.80	-2.89	H	47.91	73.98	26.07	PK
15960	36.95	-2.89	H	34.06	53.98	19.92	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	53.75	-2.97	V	50.78	68.20	17.42	PK
15780	51.97	-1.86	V	50.11	73.98	23.87	PK
15780	38.20	-1.86	V	36.34	53.98	17.64	AV
10520	53.34	-2.97	H	50.37	68.20	17.83	PK
15780	51.66	-1.86	H	49.80	73.98	24.18	PK
15780	38.03	-1.86	H	36.17	53.98	17.81	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	54.12	-3.22	V	50.90	73.98	23.08	PK
10600	41.77	-3.22	V	38.55	53.98	15.43	AV
15900	52.16	-2.44	V	49.72	73.98	24.26	PK
15900	38.29	-2.44	V	35.85	53.98	18.13	AV
10600	53.59	-3.22	H	50.37	73.98	23.61	PK
10600	41.46	-3.22	H	38.24	53.98	15.74	AV
15900	51.88	-2.44	H	49.44	73.98	24.54	PK
15900	37.97	-2.44	H	35.53	53.98	18.45	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band : UNII 2A  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	54.25	-3.27	V	50.98	73.98	23.00	PK
10640	41.89	-3.27	V	38.62	53.98	15.36	AV
15960	51.33	-2.89	V	48.44	73.98	25.54	PK
15960	37.21	-2.89	V	34.32	53.98	19.66	AV
10640	53.83	-3.27	H	50.56	73.98	23.42	PK
10640	41.52	-3.27	H	38.25	53.98	15.73	AV
15960	50.81	-2.89	H	47.92	73.98	26.06	PK
15960	36.95	-2.89	H	34.06	53.98	19.92	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5260MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	54.28	-2.97	V	51.31	68.20	16.89	PK
15780	52.31	-1.86	V	50.45	73.98	23.53	PK
15780	38.32	-1.86	V	36.46	53.98	17.52	AV
10520	53.76	-2.97	H	50.79	68.20	17.41	PK
15780	51.69	-1.86	H	49.83	73.98	24.15	PK
15780	38.13	-1.86	H	36.27	53.98	17.71	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2A  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5300 MHz  
 Channel No. 60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	53.83	-3.22	V	50.61	73.98	23.37	PK
10600	41.92	-3.22	V	38.70	53.98	15.28	AV
15900	52.52	-2.44	V	50.08	73.98	23.90	PK
15900	38.39	-2.44	V	35.95	53.98	18.03	AV
10600	53.39	-3.22	H	50.17	73.98	23.81	PK
10600	41.46	-3.22	H	38.24	53.98	15.74	AV
15900	51.82	-2.44	H	49.38	73.98	24.60	PK
15900	38.05	-2.44	H	35.61	53.98	18.37	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2A  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	53.93	-3.27	V	50.66	73.98	23.32	PK
10640	42.02	-3.27	V	38.75	53.98	15.23	AV
15960	51.84	-2.89	V	48.95	73.98	25.03	PK
15960	37.31	-2.89	V	34.42	53.98	19.56	AV
10640	53.64	-3.27	H	50.37	73.98	23.61	PK
10640	41.55	-3.27	H	38.28	53.98	15.70	AV
15960	50.97	-2.89	H	48.08	73.98	25.90	PK
15960	36.96	-2.89	H	34.07	53.98	19.91	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2A  
 Operation Mode: 802.11n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5270 MHz  
 Channel No. 54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	53.97	-2.73	V	51.24	68.20	16.96	PK
15810	52.67	-2.52	V	50.15	73.98	23.83	PK
15810	39.59	-2.52	V	37.07	53.98	16.91	AV
10540	53.34	-2.73	H	50.61	68.20	17.59	PK
15810	51.84	-2.52	H	49.32	73.98	24.66	PK
15810	39.32	-2.52	H	36.80	53.98	17.18	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2A  
 Operation Mode: 802.11n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5310 MHz  
 Channel No. 62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	53.58	-3.38	V	50.20	73.98	23.78	PK
10620	42.49	-3.38	V	39.11	53.98	14.87	AV
15930	52.03	-2.78	V	49.25	73.98	24.73	PK
15930	38.91	-2.78	V	36.13	53.98	17.85	AV
10620	53.11	-3.38	H	49.73	73.98	24.25	PK
10620	42.02	-3.38	H	38.64	53.98	15.34	AV
15930	51.33	-2.78	H	48.55	73.98	25.43	PK
15930	38.70	-2.78	H	35.92	53.98	18.06	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	53.63	-2.73	V	50.90	68.20	17.30	PK
15810	52.57	-2.52	V	50.05	73.98	23.93	PK
15810	39.61	-2.52	V	37.09	53.98	16.89	AV
10540	53.13	-2.73	H	50.40	68.20	17.80	PK
15810	51.78	-2.52	H	49.26	73.98	24.72	PK
15810	39.37	-2.52	H	36.85	53.98	17.13	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2A  
 Operation Mode: 802.11ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency 5310 MHz  
 Channel No. 62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	54.29	-3.38	V	50.91	73.98	23.07	PK
10620	42.52	-3.38	V	39.14	53.98	14.84	AV
15930	52.13	-2.78	V	49.35	73.98	24.63	PK
15930	38.97	-2.78	V	36.19	53.98	17.79	AV
10620	53.86	-3.38	H	50.48	73.98	23.50	PK
10620	42.14	-3.38	H	38.76	53.98	15.22	AV
15930	51.31	-2.78	H	48.53	73.98	25.45	PK
15930	38.79	-2.78	H	36.01	53.98	17.97	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10580	53.64	-3.21	V	50.43	68.20	17.77	PK
15870	51.55	-2.62	V	48.93	73.98	25.05	PK
15870	38.56	-2.62	V	35.94	53.98	18.04	AV
10580	53.13	-3.21	H	49.92	68.20	18.28	PK
15870	50.87	-2.62	H	48.25	73.98	25.73	PK
15870	38.31	-2.62	H	35.69	53.98	18.29	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT80. Worst case is MCS0 in 802.11ac\_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	54.91	-1.60	V	53.31	73.98	20.67	PK
11000	43.86	-1.60	V	42.26	53.98	11.72	AV
16500	51.66	-0.86	V	50.80	68.20	17.40	PK
11000	55.13	-1.60	H	53.53	73.98	20.45	PK
11000	43.32	-1.60	H	41.72	53.98	12.26	AV
16500	51.29	-0.86	H	50.43	68.20	17.77	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2C  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5580 MHz  
 Channel No. 116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	55.47	-2.03	V	53.44	73.98	20.54	PK
11160	45.51	-2.03	V	43.48	53.98	10.50	AV
16740	51.94	0.18	V	52.12	68.20	16.08	PK
11160	55.10	-2.03	H	53.07	73.98	20.91	PK
11160	45.06	-2.03	H	43.03	53.98	10.95	AV
16740	51.34	0.18	H	51.52	68.20	16.68	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2C  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5700 MHz  
 Channel No. 140 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11400	54.23	-1.92	V	52.31	73.98	21.67	PK
11400	43.93	-1.92	V	42.01	53.98	11.97	AV
17100	51.67	2.19	V	53.86	68.20	14.34	PK
11400	53.88	-1.92	H	51.96	73.98	22.02	PK
11400	43.48	-1.92	H	41.56	53.98	12.42	AV
17100	50.96	2.19	H	53.15	68.20	15.05	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	54.29	-1.60	V	52.69	73.98	21.29	PK
11000	43.66	-1.60	V	42.06	53.98	11.92	AV
16500	51.43	-0.86	V	50.57	68.20	17.63	PK
11000	53.84	-1.60	H	52.24	73.98	21.74	PK
11000	43.29	-1.60	H	41.69	53.98	12.29	AV
16500	50.96	-0.86	H	50.10	68.20	18.10	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	55.31	-2.03	V	53.28	73.98	20.70	PK
11160	45.25	-2.03	V	43.22	53.98	10.76	AV
16740	51.47	0.18	V	51.65	68.20	16.55	PK
11160	54.86	-2.03	H	52.83	73.98	21.15	PK
11160	44.57	-2.03	H	42.54	53.98	11.44	AV
16740	51.02	0.18	H	51.20	68.20	17.00	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5700 MHz
Channel No.	140 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11400	54.62	-1.92	V	52.70	73.98	21.28	PK
11400	43.78	-1.92	V	41.86	53.98	12.12	AV
17100	51.84	2.19	V	54.03	68.20	14.17	PK
11400	54.29	-1.92	H	52.37	73.98	21.61	PK
11400	43.24	-1.92	H	41.32	53.98	12.66	AV
17100	51.30	2.19	H	53.49	68.20	14.71	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5500MHz  
 Channel No. 100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	54.10	-1.60	V	52.50	73.98	21.48	PK
11000	43.77	-1.60	V	42.17	53.98	11.81	AV
16500	51.69	-0.86	V	50.83	68.20	17.37	PK
11000	53.69	-1.60	H	52.09	73.98	21.89	PK
11000	43.37	-1.60	H	41.77	53.98	12.21	AV
16500	51.21	-0.86	H	50.35	68.20	17.85	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	55.06	-2.03	V	53.03	73.98	20.95	PK
11160	45.35	-2.03	V	43.32	53.98	10.66	AV
16740	52.10	0.18	V	52.28	68.20	15.92	PK
11160	54.38	-2.03	H	52.35	73.98	21.63	PK
11160	45.00	-2.03	H	42.97	53.98	11.01	AV
16740	51.38	0.18	H	51.56	68.20	16.64	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5700 MHz
Channel No.	140 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11400	53.94	-1.92	V	52.02	73.98	21.96	PK
11400	43.78	-1.92	V	41.86	53.98	12.12	AV
17100	52.09	2.19	V	54.28	68.20	13.92	PK
11400	53.41	-1.92	H	51.49	73.98	22.49	PK
11400	43.23	-1.92	H	41.31	53.98	12.67	AV
17100	51.44	2.19	H	53.63	68.20	14.57	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2C  
 Operation Mode: 802.11n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5510 MHz  
 Channel No. 102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	54.50	-1.98	V	52.52	73.98	21.46	PK
11020	44.84	-1.98	V	42.86	53.98	11.12	AV
16530	51.19	-1.57	V	49.62	68.20	18.58	PK
11020	54.10	-1.98	H	52.12	73.98	21.86	PK
11020	44.42	-1.98	H	42.44	53.98	11.54	AV
16530	50.57	-1.57	H	49.00	68.20	19.20	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5550 MHz
Channel No.	110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	55.77	-2.32	V	53.45	73.98	20.53	PK
11100	46.26	-2.32	V	43.94	53.98	10.04	AV
16650	51.38	-1.17	V	50.21	68.20	17.99	PK
11100	55.36	-2.32	H	53.04	73.98	20.94	PK
11100	45.83	-2.32	H	43.51	53.98	10.47	AV
16650	50.63	-1.17	H	49.46	68.20	18.74	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band : UNII 2C  
 Operation Mode: 802.11n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5670 MHz  
 Channel No. 134 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11340	54.15	-2.23	V	51.92	73.98	22.06	PK
11340	45.09	-2.23	V	42.86	53.98	11.12	AV
17010	51.22	1.75	V	52.97	68.20	15.23	PK
11340	53.87	-2.23	H	51.64	73.98	22.34	PK
11340	44.63	-2.23	H	42.40	53.98	11.58	AV
17010	50.99	1.75	H	52.74	68.20	15.46	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	54.41	-1.98	V	52.43	73.98	21.55	PK
11020	44.88	-1.98	V	42.90	53.98	11.08	AV
16530	51.21	-1.57	V	49.64	68.20	18.56	PK
11020	53.96	-1.98	H	51.98	73.98	22.00	PK
11020	44.44	-1.98	H	42.46	53.98	11.52	AV
16530	50.63	-1.57	H	49.06	68.20	19.14	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2C  
 Operation Mode: 802.11ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency 5550 MHz  
 Channel No. 110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	55.37	-2.32	V	53.05	73.98	20.93	PK
11100	46.48	-2.32	V	44.16	53.98	9.82	AV
16650	51.55	-1.17	V	50.38	68.20	17.82	PK
11100	54.87	-2.32	H	52.55	73.98	21.43	PK
11100	45.02	-2.32	H	42.70	53.98	11.28	AV
16650	51.08	-1.17	H	49.91	68.20	18.29	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5670 MHz
Channel No.	134 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11340	55.15	-2.23	V	52.92	73.98	21.06	PK
11340	44.88	-2.23	V	42.65	53.98	11.33	AV
17010	51.32	1.75	V	53.07	68.20	15.13	PK
11340	54.76	-2.23	H	52.53	73.98	21.45	PK
11340	44.45	-2.23	H	42.22	53.98	11.76	AV
17010	50.99	1.75	H	52.74	68.20	15.46	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11060	54.68	-2.21	V	52.47	73.98	21.51	PK
11060	45.60	-2.21	V	43.39	53.98	10.59	AV
16590	51.84	-0.60	V	51.24	68.20	16.96	PK
11060	54.16	-2.21	H	51.95	73.98	22.03	PK
11060	45.04	-2.21	H	42.83	53.98	11.15	AV
16590	51.67	-0.60	H	51.07	68.20	17.13	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT80. Worst case is MCS0 in 802.11ac\_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band : UNII 3  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5745MHz  
 Channel No. 149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	54.64	-2.50	V	52.14	73.98	21.84	PK
11490	44.09	-2.50	V	41.59	53.98	12.39	AV
17235	51.56	3.09	V	54.65	68.20	13.55	PK
11490	55.08	-2.50	H	52.58	73.98	21.40	PK
11490	44.41	-2.50	H	41.91	53.98	12.07	AV
17235	52.24	3.09	H	55.33	68.20	12.87	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 3  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5785 MHz  
 Channel No. 157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	53.95	-2.87	V	51.08	73.98	22.90	PK
11570	43.47	-2.87	V	40.60	53.98	13.38	AV
17355	50.45	3.45	V	53.90	68.20	14.30	PK
11570	54.47	-2.87	H	51.60	73.98	22.38	PK
11570	43.74	-2.87	H	40.87	53.98	13.11	AV
17355	51.00	3.45	H	54.45	68.20	13.75	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 3  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5825 MHz  
 Channel No. 165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	54.21	-2.84	V	51.37	73.98	22.61	PK
11650	43.56	-2.84	V	40.72	53.98	13.26	AV
17475	51.29	5.68	V	56.97	68.20	11.23	PK
11650	54.66	-2.84	H	51.82	73.98	22.16	PK
11650	43.98	-2.84	H	41.14	53.98	12.84	AV
17475	52.03	5.68	H	57.71	68.20	10.49	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 3  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5745 MHz  
 Channel No. 149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	54.44	-2.50	V	51.94	73.98	22.04	PK
11490	43.85	-2.50	V	41.35	53.98	12.63	AV
17235	51.56	3.09	V	54.65	68.20	13.55	PK
11490	54.91	-2.50	H	52.41	73.98	21.57	PK
11490	44.30	-2.50	H	41.80	53.98	12.18	AV
17235	52.21	3.09	H	55.30	68.20	12.90	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	54.27	-2.87	V	51.40	73.98	22.58	PK
11570	43.29	-2.87	V	40.42	53.98	13.56	AV
17355	50.49	3.45	V	53.94	68.20	14.26	PK
11570	54.88	-2.87	H	52.01	73.98	21.97	PK
11570	43.66	-2.87	H	40.79	53.98	13.19	AV
17355	51.14	3.45	H	54.59	68.20	13.61	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band : UNII 3  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5825 MHz  
 Channel No. 165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	54.39	-2.84	V	51.55	73.98	22.43	PK
11650	43.56	-2.84	V	40.72	53.98	13.26	AV
17475	51.20	5.68	V	56.88	68.20	11.32	PK
11650	54.91	-2.84	H	52.07	73.98	21.91	PK
11650	44.07	-2.84	H	41.23	53.98	12.75	AV
17475	51.76	5.68	H	57.44	68.20	10.76	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 3  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5745 MHz  
 Channel No. 149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	54.31	-2.50	V	51.81	73.98	22.17	PK
11490	43.67	-2.50	V	41.17	53.98	12.81	AV
17235	51.73	3.09	V	54.82	68.20	13.38	PK
11490	54.78	-2.50	H	52.28	73.98	21.70	PK
11490	44.14	-2.50	H	41.64	53.98	12.34	AV
17235	52.52	3.09	H	55.61	68.20	12.59	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	54.08	-2.87	V	51.21	73.98	22.77	PK
11570	43.32	-2.87	V	40.45	53.98	13.53	AV
17355	50.99	3.45	V	54.44	68.20	13.76	PK
11570	54.51	-2.87	H	51.64	73.98	22.34	PK
11570	43.64	-2.87	H	40.77	53.98	13.21	AV
17355	51.65	3.45	H	55.10	68.20	13.10	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 3  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5825 MHz  
 Channel No. 165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	54.83	-2.84	V	51.99	73.98	21.99	PK
11650	43.45	-2.84	V	40.61	53.98	13.37	AV
17475	51.39	5.68	V	57.07	68.20	11.13	PK
11650	55.24	-2.84	H	52.40	73.98	21.58	PK
11650	43.82	-2.84	H	40.98	53.98	13.00	AV
17475	52.13	5.68	H	57.81	68.20	10.39	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII3  
 Operation Mode: 802.11n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5755 MHz  
 Channel No. 151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	53.77	-2.55	V	51.22	73.98	22.76	PK
11510	44.31	-2.55	V	41.76	53.98	12.22	AV
17265	50.86	3.10	V	53.96	68.20	14.24	PK
11510	54.16	-2.55	H	51.61	73.98	22.37	PK
11510	44.62	-2.55	H	42.07	53.98	11.91	AV
17265	51.14	3.10	H	54.24	68.20	13.96	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 3  
 Operation Mode: 802.11n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5795 MHz  
 Channel No. 159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	54.30	-3.29	V	51.01	73.98	22.97	PK
11590	44.76	-3.29	V	41.47	53.98	12.51	AV
17385	50.38	4.19	V	54.57	68.20	13.63	PK
11590	54.65	-3.29	H	51.36	73.98	22.62	PK
11590	45.10	-3.29	H	41.81	53.98	12.17	AV
17385	50.82	4.19	H	55.01	68.20	13.19	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	53.92	-2.55	V	51.37	73.98	22.61	PK
11510	44.51	-2.55	V	41.96	53.98	12.02	AV
17265	51.14	3.10	V	54.24	68.20	13.96	PK
11510	54.32	-2.55	H	51.77	73.98	22.21	PK
11510	44.79	-2.55	H	42.24	53.98	11.74	AV
17265	51.43	3.10	H	54.53	68.20	13.67	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	54.96	-3.29	V	51.67	73.98	22.31	PK
11590	44.79	-3.29	V	41.50	53.98	12.48	AV
17385	50.76	4.19	V	54.95	68.20	13.25	PK
11590	55.44	-3.29	H	52.15	73.98	21.83	PK
11590	45.18	-3.29	H	41.89	53.98	12.09	AV
17385	51.23	4.19	H	55.42	68.20	12.78	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5775 MHz
Channel No.	155 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11550	53.48	-2.71	V	50.77	73.98	23.21	PK
11550	43.57	-2.71	V	40.86	53.98	13.12	AV
17325	51.24	3.44	V	54.68	68.20	13.52	PK
11550	53.90	-2.71	H	51.19	73.98	22.79	PK
11550	44.05	-2.71	H	41.34	53.98	12.64	AV
17325	51.55	3.44	H	54.99	68.20	13.21	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT80. Worst case is MCS0 in 802.11ac\_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

**[Tablet+keyboard cover(kickstand)]**

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	54.35	-2.75	V	51.60	68.20	16.60	PK
15540	52.36	-1.23	V	51.13	73.98	22.85	PK
15540	38.29	-1.23	V	37.06	53.98	16.92	AV
10360	53.89	-2.75	H	51.14	68.20	17.06	PK
15540	51.70	-1.23	H	50.47	73.98	23.51	PK
15540	38.14	-1.23	H	36.91	53.98	17.07	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band : UNII 1  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5200 MHz  
 Channel No. 40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	52.72	-2.60	V	50.12	68.20	18.08	PK
15600	52.52	-2.26	V	50.26	73.98	23.72	PK
15600	38.39	-2.26	V	36.13	53.98	17.85	AV
10400	52.36	-2.60	H	49.76	68.20	18.44	PK
15600	51.42	-2.26	H	49.16	73.98	24.82	PK
15600	38.11	-2.26	H	35.85	53.98	18.13	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 1  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5240 MHz  
 Channel No. 48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	54.80	-3.54	V	51.26	68.20	16.94	PK
15720	52.15	-2.64	V	49.51	73.98	24.47	PK
15720	38.58	-2.64	V	35.94	53.98	18.04	AV
10480	54.11	-3.54	H	50.57	68.20	17.63	PK
15720	51.56	-2.64	H	48.92	73.98	25.06	PK
15720	38.47	-2.64	H	35.83	53.98	18.15	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	53.94	-2.75	V	51.19	68.20	17.01	PK
15540	52.76	-1.23	V	51.53	73.98	22.45	PK
15540	38.30	-1.23	V	37.07	53.98	16.91	AV
10360	53.24	-2.75	H	50.49	68.20	17.71	PK
15540	52.29	-1.23	H	51.06	73.98	22.92	PK
15540	38.13	-1.23	H	36.90	53.98	17.08	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log(\text{test distance} / \text{specific distance})$  (dB)

Band : UNII 1  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5200 MHz  
 Channel No. 40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	52.93	-2.60	V	50.33	68.20	17.87	PK
15600	51.78	-2.26	V	49.52	73.98	24.46	PK
15600	38.37	-2.26	V	36.11	53.98	17.87	AV
10400	52.47	-2.60	H	49.87	68.20	18.33	PK
15600	52.39	-2.26	H	50.13	73.98	23.85	PK
15600	38.19	-2.26	H	35.93	53.98	18.05	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	54.53	-3.54	V	50.99	68.20	17.21	PK
15720	52.59	-2.64	V	49.95	73.98	24.03	PK
15720	38.72	-2.64	V	36.08	53.98	17.90	AV
10480	54.08	-3.54	H	50.54	68.20	17.66	PK
15720	52.19	-2.64	H	49.55	73.98	24.43	PK
15720	38.56	-2.64	H	35.92	53.98	18.06	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log(\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	54.05	-2.75	V	51.30	68.20	16.90	PK
15540	52.30	-1.23	V	51.07	73.98	22.91	PK
15540	38.16	-1.23	V	36.93	53.98	17.05	AV
10360	53.62	-2.75	H	50.87	68.20	17.33	PK
15540	51.99	-1.23	H	50.76	73.98	23.22	PK
15540	38.03	-1.23	H	36.80	53.98	17.18	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band : UNII 1  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5200 MHz  
 Channel No. 40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	53.24	-2.60	V	50.64	68.20	17.56	PK
15600	51.94	-2.26	V	49.68	73.98	24.30	PK
15600	38.30	-2.26	V	36.04	53.98	17.94	AV
10400	52.88	-2.60	H	50.28	68.20	17.92	PK
15600	51.39	-2.26	H	49.13	73.98	24.85	PK
15600	38.15	-2.26	H	35.89	53.98	18.09	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 1  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5240 MHz  
 Channel No. 48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	54.66	-3.54	V	51.12	68.20	17.08	PK
15720	52.17	-2.64	V	49.53	73.98	24.45	PK
15720	38.59	-2.64	V	35.95	53.98	18.03	AV
10480	54.09	-3.54	H	50.55	68.20	17.65	PK
15720	51.84	-2.64	H	49.20	73.98	24.78	PK
15720	38.36	-2.64	H	35.72	53.98	18.26	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	52.76	-2.74	V	50.02	68.20	18.18	PK
15570	52.43	-1.95	V	50.48	73.98	23.50	PK
15570	38.95	-1.95	V	37.00	53.98	16.98	AV
10380	52.48	-2.74	H	49.74	68.20	18.46	PK
15570	51.63	-1.95	H	49.68	73.98	24.30	PK
15570	38.81	-1.95	H	36.86	53.98	17.12	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log(\text{test distance} / \text{specific distance})$  (dB)

Band : UNII 1  
 Operation Mode: 802.11n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5230 MHz  
 Channel No. 46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	55.04	-3.07	V	51.97	68.20	16.23	PK
15690	52.62	-0.73	V	51.89	73.98	22.09	PK
15690	39.24	-0.73	V	38.51	53.98	15.47	AV
10460	54.29	-3.07	H	51.22	68.20	16.98	PK
15690	52.26	-0.73	H	51.53	73.98	22.45	PK
15690	38.93	-0.73	H	38.20	53.98	15.78	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	52.98	-2.74	V	50.24	68.20	17.96	PK
15570	52.44	-1.95	V	50.49	73.98	23.49	PK
15570	38.86	-1.95	V	36.91	53.98	17.07	AV
10380	52.33	-2.74	H	49.59	68.20	18.61	PK
15570	52.04	-1.95	H	50.09	73.98	23.89	PK
15570	38.69	-1.95	H	36.74	53.98	17.24	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	55.16	-3.07	V	52.09	68.20	16.11	PK
15690	52.53	-0.73	V	51.80	73.98	22.18	PK
15690	39.02	-0.73	V	38.29	53.98	15.69	AV
10460	54.49	-3.07	H	51.42	68.20	16.78	PK
15690	52.20	-0.73	H	51.47	73.98	22.51	PK
15690	38.73	-0.73	H	38.00	53.98	15.98	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 1  
 Operation Mode: 802.11ac\_VHT80  
 Transfer MCS Index: 0  
 Operating Frequency 5210 MHz  
 Channel No. 42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10420	52.56	-2.88	V	49.68	68.20	18.52	PK
15630	51.90	-1.88	V	50.02	73.98	23.96	PK
15630	39.27	-1.88	V	37.39	53.98	16.59	AV
10420	51.99	-2.88	H	49.11	68.20	19.09	PK
15630	51.46	-1.88	H	49.58	73.98	24.40	PK
15630	38.93	-1.88	H	37.05	53.98	16.93	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT80. Worst case is MCS0 in 802.11ac\_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2A  
 Operation Mode: 802.11 a  
 Transfer MCS Index: 6 Mbps  
 Operating Frequency 5260 MHz  
 Channel No. 52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	54.72	-2.97	V	51.75	68.20	16.45	PK
15780	51.82	-1.86	V	49.96	73.98	24.02	PK
15780	38.03	-1.86	V	36.17	53.98	17.81	AV
10520	54.36	-2.97	H	51.39	68.20	16.81	PK
15780	50.88	-1.86	H	49.02	73.98	24.96	PK
15780	37.80	-1.86	H	35.94	53.98	18.04	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2A  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5300 MHz  
 Channel No. 60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	53.84	-3.22	V	50.62	73.98	23.36	PK
10600	41.76	-3.22	V	38.54	53.98	15.44	AV
15900	52.32	-2.44	V	49.88	73.98	24.10	PK
15900	38.30	-2.44	V	35.86	53.98	18.12	AV
10600	53.28	-3.22	H	50.06	73.98	23.92	PK
10600	41.33	-3.22	H	38.11	53.98	15.87	AV
15900	51.40	-2.44	H	48.96	73.98	25.02	PK
15900	37.74	-2.44	H	35.30	53.98	18.68	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2A  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	54.38	-3.27	V	51.11	73.98	22.87	PK
10640	42.24	-3.27	V	38.97	53.98	15.01	AV
15960	51.12	-2.89	V	48.23	73.98	25.75	PK
15960	37.10	-2.89	V	34.21	53.98	19.77	AV
10640	54.00	-3.27	H	50.73	73.98	23.25	PK
10640	41.88	-3.27	H	38.61	53.98	15.37	AV
15960	50.74	-2.89	H	47.85	73.98	26.13	PK
15960	36.88	-2.89	H	33.99	53.98	19.99	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2A  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5260 MHz  
 Channel No. 52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	54.04	-2.97	V	51.07	68.20	17.13	PK
15780	52.30	-1.86	V	50.44	73.98	23.54	PK
15780	38.24	-1.86	V	36.38	53.98	17.60	AV
10520	53.53	-2.97	H	50.56	68.20	17.64	PK
15780	51.57	-1.86	H	49.71	73.98	24.27	PK
15780	38.09	-1.86	H	36.23	53.98	17.75	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2A  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5300 MHz  
 Channel No. 60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	53.92	-3.22	V	50.70	73.98	23.28	PK
10600	41.62	-3.22	V	38.40	53.98	15.58	AV
15900	52.34	-2.44	V	49.90	73.98	24.08	PK
15900	38.13	-2.44	V	35.69	53.98	18.29	AV
10600	53.35	-3.22	H	50.13	73.98	23.85	PK
10600	41.29	-3.22	H	38.07	53.98	15.91	AV
15900	51.75	-2.44	H	49.31	73.98	24.67	PK
15900	38.02	-2.44	H	35.58	53.98	18.40	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	53.99	-3.27	V	50.72	73.98	23.26	PK
10640	42.19	-3.27	V	38.92	53.98	15.06	AV
15960	51.65	-2.89	V	48.76	73.98	25.22	PK
15960	37.29	-2.89	V	34.40	53.98	19.58	AV
10640	53.28	-3.27	H	50.01	73.98	23.97	PK
10640	41.73	-3.27	H	38.46	53.98	15.52	AV
15960	51.20	-2.89	H	48.31	73.98	25.67	PK
15960	36.92	-2.89	H	34.03	53.98	19.95	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band : UNII 2A  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5260MHz  
 Channel No. 52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	54.20	-2.97	V	51.23	68.20	16.97	PK
15780	52.10	-1.86	V	50.24	73.98	23.74	PK
15780	38.12	-1.86	V	36.26	53.98	17.72	AV
10520	53.86	-2.97	H	50.89	68.20	17.31	PK
15780	51.55	-1.86	H	49.69	73.98	24.29	PK
15780	37.96	-1.86	H	36.10	53.98	17.88	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2A  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5300 MHz  
 Channel No. 60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	54.11	-3.22	V	50.89	73.98	23.09	PK
10600	41.70	-3.22	V	38.48	53.98	15.50	AV
15900	52.28	-2.44	V	49.84	73.98	24.14	PK
15900	38.14	-2.44	V	35.70	53.98	18.28	AV
10600	53.47	-3.22	H	50.25	73.98	23.73	PK
10600	41.36	-3.22	H	38.14	53.98	15.84	AV
15900	51.76	-2.44	H	49.32	73.98	24.66	PK
15900	37.89	-2.44	H	35.45	53.98	18.53	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	54.09	-3.27	V	50.82	73.98	23.16	PK
10640	42.12	-3.27	V	38.85	53.98	15.13	AV
15960	51.38	-2.89	V	48.49	73.98	25.49	PK
15960	37.10	-2.89	V	34.21	53.98	19.77	AV
10640	53.27	-3.27	H	50.00	73.98	23.98	PK
10640	41.70	-3.27	H	38.43	53.98	15.55	AV
15960	50.64	-2.89	H	47.75	73.98	26.23	PK
15960	36.83	-2.89	H	33.94	53.98	20.04	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2A  
 Operation Mode: 802.11n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5270 MHz  
 Channel No. 54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	53.67	-2.73	V	50.94	68.20	17.26	PK
15810	52.78	-2.52	V	50.26	73.98	23.72	PK
15810	39.38	-2.52	V	36.86	53.98	17.12	AV
10540	53.14	-2.73	H	50.41	68.20	17.79	PK
15810	51.71	-2.52	H	49.19	73.98	24.79	PK
15810	39.23	-2.52	H	36.71	53.98	17.27	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2A  
 Operation Mode: 802.11n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5310 MHz  
 Channel No. 62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	53.78	-3.38	V	50.40	73.98	23.58	PK
10620	42.71	-3.38	V	39.33	53.98	14.65	AV
15930	51.89	-2.78	V	49.11	73.98	24.87	PK
15930	38.80	-2.78	V	36.02	53.98	17.96	AV
10620	53.19	-3.38	H	49.81	73.98	24.17	PK
10620	42.42	-3.38	H	39.04	53.98	14.94	AV
15930	51.26	-2.78	H	48.48	73.98	25.50	PK
15930	38.62	-2.78	H	35.84	53.98	18.14	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	53.82	-2.73	V	51.09	68.20	17.11	PK
15810	52.48	-2.52	V	49.96	73.98	24.02	PK
15810	39.44	-2.52	V	36.92	53.98	17.06	AV
10540	53.51	-2.73	H	50.78	68.20	17.42	PK
15810	51.69	-2.52	H	49.17	73.98	24.81	PK
15810	39.21	-2.52	H	36.69	53.98	17.29	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2A  
 Operation Mode: 802.11ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency 5310 MHz  
 Channel No. 62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	53.33	-3.38	V	49.95	73.98	24.03	PK
10620	42.60	-3.38	V	39.22	53.98	14.76	AV
15930	51.89	-2.78	V	49.11	73.98	24.87	PK
15930	38.87	-2.78	V	36.09	53.98	17.89	AV
10620	52.78	-3.38	H	49.40	73.98	24.58	PK
10620	42.32	-3.38	H	38.94	53.98	15.04	AV
15930	51.24	-2.78	H	48.46	73.98	25.52	PK
15930	38.61	-2.78	H	35.83	53.98	18.15	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10580	53.12	-3.21	V	49.91	68.20	18.29	PK
15870	51.34	-2.62	V	48.72	73.98	25.26	PK
15870	38.40	-2.62	V	35.78	53.98	18.20	AV
10580	52.78	-3.21	H	49.57	68.20	18.63	PK
15870	50.11	-2.62	H	47.49	73.98	26.49	PK
15870	38.17	-2.62	H	35.55	53.98	18.43	AV

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT80. Worst case is MCS0 in 802.11ac\_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2C  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5500 MHz  
 Channel No. 100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	52.55	-1.60	V	50.95	73.98	23.03	PK
11000	42.14	-1.60	V	40.54	53.98	13.44	AV
16500	51.57	-0.86	V	50.71	68.20	17.49	PK
11000	52.06	-1.60	H	50.46	73.98	23.52	PK
11000	41.86	-1.60	H	40.26	53.98	13.72	AV
16500	50.84	-0.86	H	49.98	68.20	18.22	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2C  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5580 MHz  
 Channel No. 116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	54.53	-2.03	V	52.50	73.98	21.48	PK
11160	44.70	-2.03	V	42.67	53.98	11.31	AV
16740	51.82	0.18	V	52.00	68.20	16.20	PK
11160	54.09	-2.03	H	52.06	73.98	21.92	PK
11160	44.25	-2.03	H	42.22	53.98	11.76	AV
16740	50.94	0.18	H	51.12	68.20	17.08	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2C  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5700 MHz  
 Channel No. 140 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11400	53.29	-1.92	V	51.37	73.98	22.61	PK
11400	42.93	-1.92	V	41.01	53.98	12.97	AV
17100	51.88	2.19	V	54.07	68.20	14.13	PK
11400	52.72	-1.92	H	50.80	73.98	23.18	PK
11400	42.46	-1.92	H	40.54	53.98	13.44	AV
17100	50.80	2.19	H	52.99	68.20	15.21	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	52.60	-1.60	V	51.00	73.98	22.98	PK
11000	41.88	-1.60	V	40.28	53.98	13.70	AV
16500	51.57	-0.86	V	50.71	68.20	17.49	PK
11000	52.20	-1.60	H	50.60	73.98	23.38	PK
11000	41.39	-1.60	H	39.79	53.98	14.19	AV
16500	51.10	-0.86	H	50.24	68.20	17.96	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2C  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5580 MHz  
 Channel No. 116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	54.44	-2.03	V	52.41	73.98	21.57	PK
11160	44.57	-2.03	V	42.54	53.98	11.44	AV
16740	51.94	0.18	V	52.12	68.20	16.08	PK
11160	53.81	-2.03	H	51.78	73.98	22.20	PK
11160	44.09	-2.03	H	42.06	53.98	11.92	AV
16740	51.22	0.18	H	51.40	68.20	16.80	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5700 MHz
Channel No.	140 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11400	53.27	-1.92	V	51.35	73.98	22.63	PK
11400	42.86	-1.92	V	40.94	53.98	13.04	AV
17100	51.73	2.19	V	53.92	68.20	14.28	PK
11400	52.39	-1.92	H	50.47	73.98	23.51	PK
11400	42.42	-1.92	H	40.50	53.98	13.48	AV
17100	51.28	2.19	H	53.47	68.20	14.73	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5500MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	52.79	-1.60	V	51.19	73.98	22.79	PK
11000	41.96	-1.60	V	40.36	53.98	13.62	AV
16500	51.53	-0.86	V	50.67	68.20	17.53	PK
11000	52.28	-1.60	H	50.68	73.98	23.30	PK
11000	41.55	-1.60	H	39.95	53.98	14.03	AV
16500	50.81	-0.86	H	49.95	68.20	18.25	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5580 MHz  
 Channel No. 116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	54.71	-2.03	V	52.68	73.98	21.30	PK
11160	44.54	-2.03	V	42.51	53.98	11.47	AV
16740	51.60	0.18	V	51.78	68.20	16.42	PK
11160	54.27	-2.03	H	52.24	73.98	21.74	PK
11160	44.12	-2.03	H	42.09	53.98	11.89	AV
16740	51.24	0.18	H	51.42	68.20	16.78	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5700 MHz  
 Channel No. 140 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11400	53.19	-1.92	V	51.27	73.98	22.71	PK
11400	42.75	-1.92	V	40.83	53.98	13.15	AV
17100	51.63	2.19	V	53.82	68.20	14.38	PK
11400	52.88	-1.92	H	50.96	73.98	23.02	PK
11400	42.37	-1.92	H	40.45	53.98	13.53	AV
17100	51.29	2.19	H	53.48	68.20	14.72	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2C  
 Operation Mode: 802.11n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5510 MHz  
 Channel No. 102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	52.79	-1.98	V	50.81	73.98	23.17	PK
11020	42.64	-1.98	V	40.66	53.98	13.32	AV
16530	51.28	-1.57	V	49.71	68.20	18.49	PK
11020	52.27	-1.98	H	50.29	73.98	23.69	PK
11020	42.26	-1.98	H	40.28	53.98	13.70	AV
16530	50.40	-1.57	H	48.83	68.20	19.37	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2C  
 Operation Mode: 802.11n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5550 MHz  
 Channel No. 110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	54.00	-2.32	V	51.68	73.98	22.30	PK
11100	44.22	-2.32	V	41.90	53.98	12.08	AV
16650	51.30	-1.17	V	50.13	68.20	18.07	PK
11100	53.53	-2.32	H	51.21	73.98	22.77	PK
11100	43.78	-2.32	H	41.46	53.98	12.52	AV
16650	50.59	-1.17	H	49.42	68.20	18.78	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2C  
 Operation Mode: 802.11n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5670 MHz  
 Channel No. 134 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11340	53.38	-2.23	V	51.15	73.98	22.83	PK
11340	43.46	-2.23	V	41.23	53.98	12.75	AV
17010	51.22	1.75	V	52.97	68.20	15.23	PK
11340	52.64	-2.23	H	50.41	73.98	23.57	PK
11340	43.10	-2.23	H	40.87	53.98	13.11	AV
17010	50.93	1.75	H	52.68	68.20	15.52	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	52.88	-1.98	V	50.90	73.98	23.08	PK
11020	42.73	-1.98	V	40.75	53.98	13.23	AV
16530	51.04	-1.57	V	49.47	68.20	18.73	PK
11020	52.24	-1.98	H	50.26	73.98	23.72	PK
11020	42.30	-1.98	H	40.32	53.98	13.66	AV
16530	50.49	-1.57	H	48.92	68.20	19.28	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 2C  
 Operation Mode: 802.11ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency 5550 MHz  
 Channel No. 110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	53.82	-2.32	V	51.50	73.98	22.48	PK
11100	44.23	-2.32	V	41.91	53.98	12.07	AV
16650	51.29	-1.17	V	50.12	68.20	18.08	PK
11100	53.26	-2.32	H	50.94	73.98	23.04	PK
11100	43.89	-2.32	H	41.57	53.98	12.41	AV
16650	50.52	-1.17	H	49.35	68.20	18.85	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5670 MHz
Channel No.	134 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11340	53.24	-2.23	V	51.01	73.98	22.97	PK
11340	43.35	-2.23	V	41.12	53.98	12.86	AV
17010	51.18	1.75	V	52.93	68.20	15.27	PK
11340	52.74	-2.23	H	50.51	73.98	23.47	PK
11340	42.95	-2.23	H	40.72	53.98	13.26	AV
17010	50.78	1.75	H	52.53	68.20	15.67	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11060	53.50	-2.21	V	51.29	73.98	22.69	PK
11060	43.55	-2.21	V	41.34	53.98	12.64	AV
16590	51.71	-0.60	V	51.11	68.20	17.09	PK
11060	52.46	-2.21	H	50.25	73.98	23.73	PK
11060	43.21	-2.21	H	41.00	53.98	12.98	AV
16590	51.33	-0.60	H	50.73	68.20	17.47	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT80. Worst case is MCS0 in 802.11ac\_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band : UNII 3  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5745MHz  
 Channel No. 149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	54.67	-2.50	V	52.17	73.98	21.81	PK
11490	43.14	-2.50	V	40.64	53.98	13.34	AV
17235	52.04	3.09	V	55.13	68.20	13.07	PK
11490	54.20	-2.50	H	51.70	73.98	22.28	PK
11490	42.73	-2.50	H	40.23	53.98	13.75	AV
17235	51.28	3.09	H	54.37	68.20	13.83	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 3  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5785 MHz  
 Channel No. 157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	54.30	-2.87	V	51.43	73.98	22.55	PK
11570	43.02	-2.87	V	40.15	53.98	13.83	AV
17355	50.84	3.45	V	54.29	68.20	13.91	PK
11570	53.86	-2.87	H	50.99	73.98	22.99	PK
11570	42.73	-2.87	H	39.86	53.98	14.12	AV
17355	50.53	3.45	H	53.98	68.20	14.22	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 3  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5825 MHz  
 Channel No. 165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	53.80	-2.84	V	50.96	73.98	23.02	PK
11650	42.96	-2.84	V	40.12	53.98	13.86	AV
17475	51.92	5.68	V	57.60	68.20	10.60	PK
11650	53.24	-2.84	H	50.40	73.98	23.58	PK
11650	42.62	-2.84	H	39.78	53.98	14.20	AV
17475	50.41	5.68	H	56.09	68.20	12.11	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	54.70	-2.50	V	52.20	73.98	21.78	PK
11490	43.11	-2.50	V	40.61	53.98	13.37	AV
17235	52.13	3.09	V	55.22	68.20	12.98	PK
11490	54.26	-2.50	H	51.76	73.98	22.22	PK
11490	42.67	-2.50	H	40.17	53.98	13.81	AV
17235	51.65	3.09	H	54.74	68.20	13.46	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	53.96	-2.87	V	51.09	73.98	22.89	PK
11570	43.11	-2.87	V	40.24	53.98	13.74	AV
17355	51.25	3.45	V	54.70	68.20	13.50	PK
11570	53.44	-2.87	H	50.57	73.98	23.41	PK
11570	42.58	-2.87	H	39.71	53.98	14.27	AV
17355	50.64	3.45	H	54.09	68.20	14.11	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	54.46	-2.84	V	51.62	73.98	22.36	PK
11650	43.05	-2.84	V	40.21	53.98	13.77	AV
17475	51.89	5.68	V	57.57	68.20	10.63	PK
11650	54.13	-2.84	H	51.29	73.98	22.69	PK
11650	42.57	-2.84	H	39.73	53.98	14.25	AV
17475	51.32	5.68	H	57.00	68.20	11.20	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band : UNII 3  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5745 MHz  
 Channel No. 149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	54.56	-2.50	V	52.06	73.98	21.92	PK
11490	43.22	-2.50	V	40.72	53.98	13.26	AV
17235	52.12	3.09	V	55.21	68.20	12.99	PK
11490	54.13	-2.50	H	51.63	73.98	22.35	PK
11490	42.84	-2.50	H	40.34	53.98	13.64	AV
17235	51.65	3.09	H	54.74	68.20	13.46	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	54.06	-2.87	V	51.19	73.98	22.79	PK
11570	42.98	-2.87	V	40.11	53.98	13.87	AV
17355	51.34	3.45	V	54.79	68.20	13.41	PK
11570	53.83	-2.87	H	50.96	73.98	23.02	PK
11570	42.66	-2.87	H	39.79	53.98	14.19	AV
17355	50.91	3.45	H	54.36	68.20	13.84	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band : UNII 3  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5825 MHz  
 Channel No. 165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	53.81	-2.84	V	50.97	73.98	23.01	PK
11650	42.89	-2.84	V	40.05	53.98	13.93	AV
17475	51.92	5.68	V	57.60	68.20	10.60	PK
11650	53.14	-2.84	H	50.30	73.98	23.68	PK
11650	42.62	-2.84	H	39.78	53.98	14.20	AV
17475	51.27	5.68	H	56.95	68.20	11.25	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII3  
 Operation Mode: 802.11n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5755 MHz  
 Channel No. 151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	54.68	-2.55	V	52.13	73.98	21.85	PK
11510	43.92	-2.55	V	41.37	53.98	12.61	AV
17265	50.92	3.10	V	54.02	68.20	14.18	PK
11510	54.17	-2.55	H	51.62	73.98	22.36	PK
11510	43.56	-2.55	H	41.01	53.98	12.97	AV
17265	50.31	3.10	H	53.41	68.20	14.79	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band : UNII 3  
 Operation Mode: 802.11n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5795 MHz  
 Channel No. 159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	54.45	-3.29	V	51.16	73.98	22.82	PK
11590	44.32	-3.29	V	41.03	53.98	12.95	AV
17385	50.74	4.19	V	54.93	68.20	13.27	PK
11590	53.79	-3.29	H	50.50	73.98	23.48	PK
11590	43.88	-3.29	H	40.59	53.98	13.39	AV
17385	49.83	4.19	H	54.02	68.20	14.18	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	54.85	-2.55	V	52.30	73.98	21.68	PK
11510	43.92	-2.55	V	41.37	53.98	12.61	AV
17265	51.21	3.10	V	54.31	68.20	13.89	PK
11510	54.27	-2.55	H	51.72	73.98	22.26	PK
11510	43.54	-2.55	H	40.99	53.98	12.99	AV
17265	50.77	3.10	H	53.87	68.20	14.33	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	54.89	-3.29	V	51.60	73.98	22.38	PK
11590	44.21	-3.29	V	40.92	53.98	13.06	AV
17385	50.94	4.19	V	55.13	68.20	13.07	PK
11590	54.27	-3.29	H	50.98	73.98	23.00	PK
11590	43.83	-3.29	H	40.54	53.98	13.44	AV
17385	50.42	4.19	H	54.61	68.20	13.59	PK

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

**Notes:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5775 MHz
Channel No.	155 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11550	53.71	-2.71	V	51.00	73.98	22.98	PK
11550	43.22	-2.71	V	40.51	53.98	13.47	AV
17325	51.34	3.44	V	54.78	68.20	13.42	PK
11550	53.23	-2.71	H	50.52	73.98	23.46	PK
11550	42.89	-2.71	H	40.18	53.98	13.80	AV
17325	51.06	3.44	H	54.50	68.20	13.70	PK

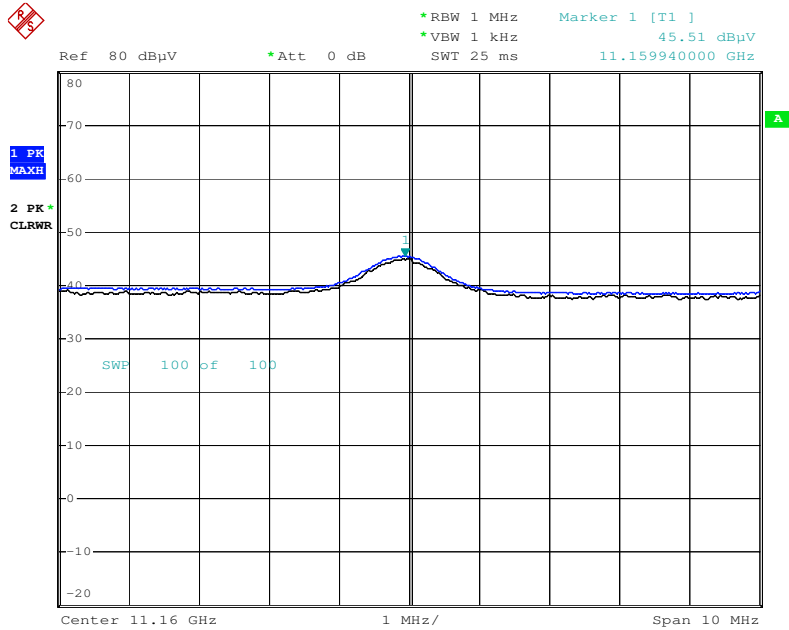
\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT80. Worst case is MCS0 in 802.11ac\_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

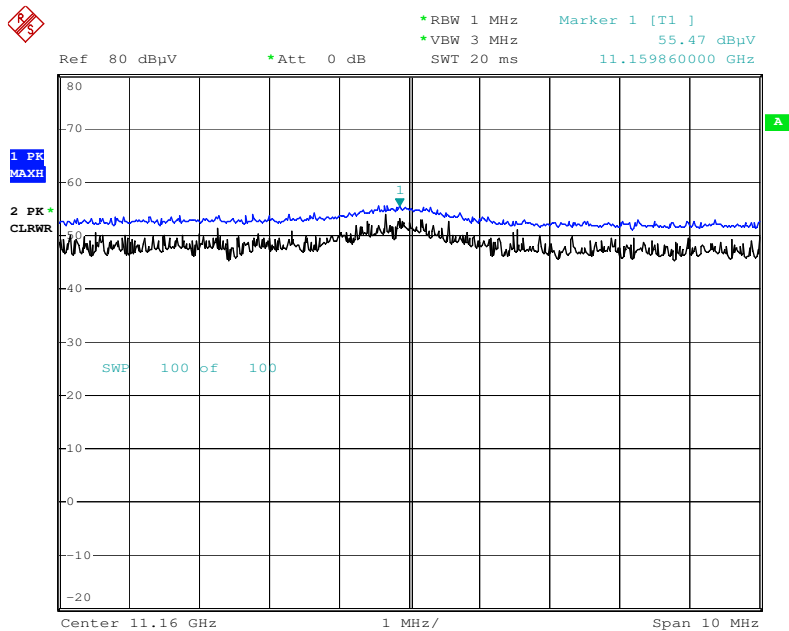
RESULT PLOTS(Only Tablet)

Radiated Spurious Emissions plot –Average Reading (802.11a, Ch.116 2nd Harmonic, Z-V)



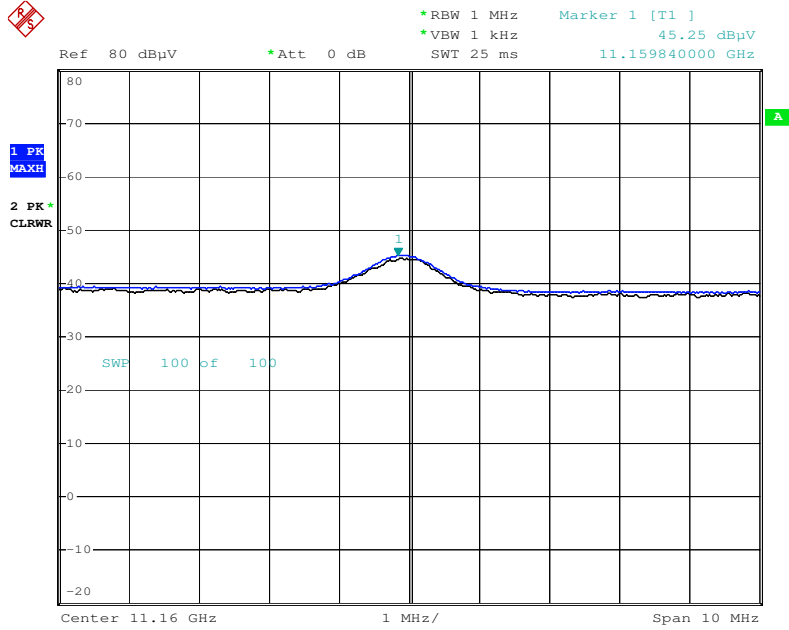
Date: 16.JAN.2017 15:20:07

Radiated Spurious Emissions plot –Peak Reading (802.11a, Ch.116 2nd Harmonic, Z-V)



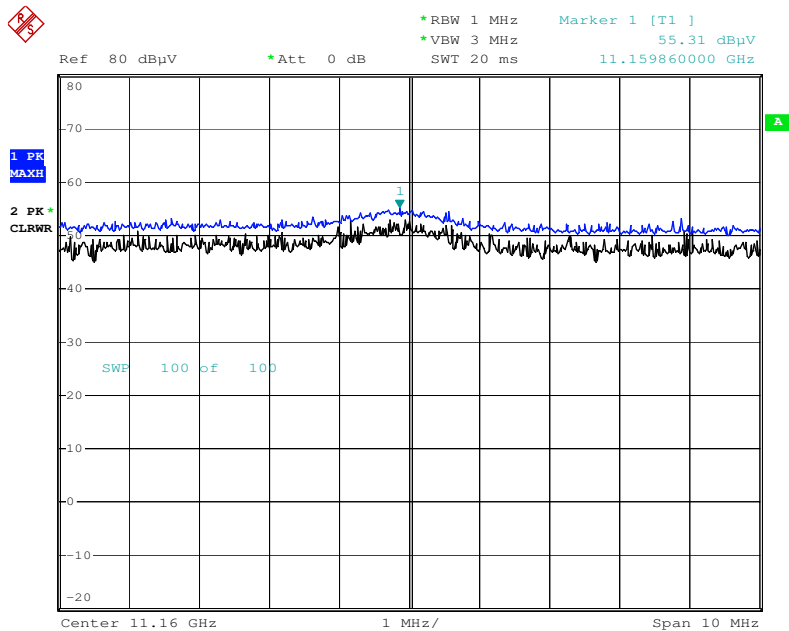
Date: 16.JAN.2017 15:37:39

**Radiated Spurious Emissions plot – Average Reading(802.11n\_HT20, Ch.116 2nd Harmonic, Z-V)**



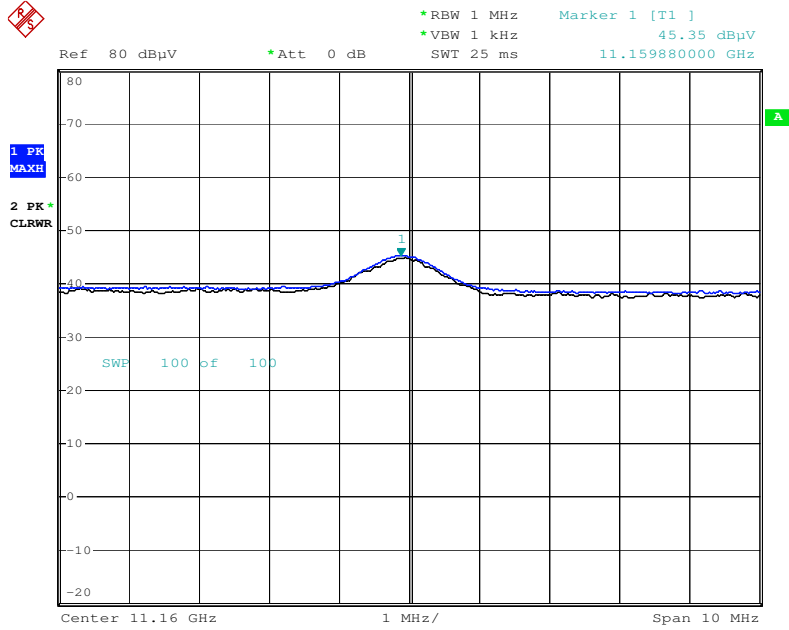
Date: 16.JAN.2017 15:39:24

**Radiated Spurious Emissions plot – Peak Reading(802.11n\_HT20, Ch.116 2nd Harmonic, Z-V)**



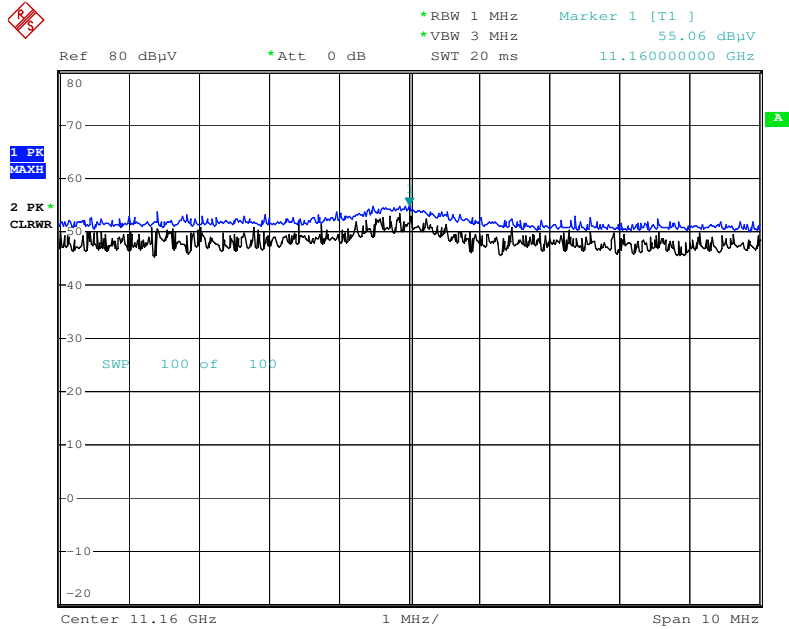
Date: 16.JAN.2017 15:38:54

**Radiated Spurious Emissions plot – Average Reading (802.11ac\_VHT20, Ch.116 2nd Harmonic, Z-V)**



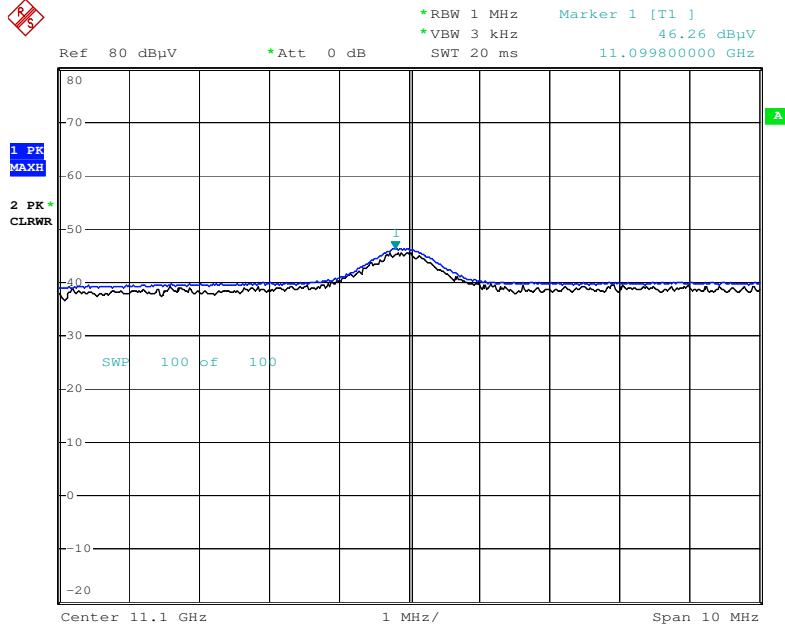
Date: 16.JAN.2017 15:40:22

**Radiated Spurious Emissions plot –Peak Reading (802.11ac\_VHT20, Ch.116 2nd Harmonic, Z-V)**



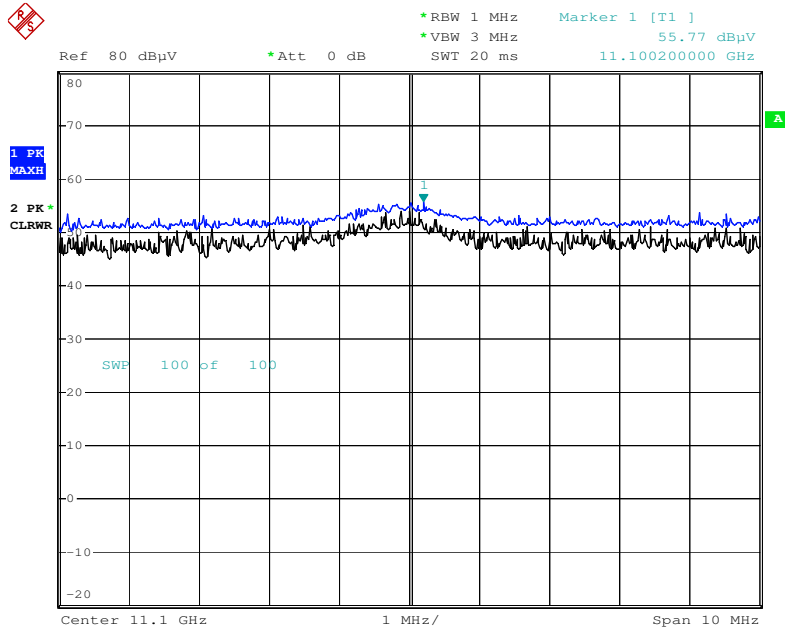
Date: 16.JAN.2017 15:40:57

**Radiated Spurious Emissions plot – Average Reading (802.11n\_HT40, Ch.110 2nd Harmonic, Z-V)**



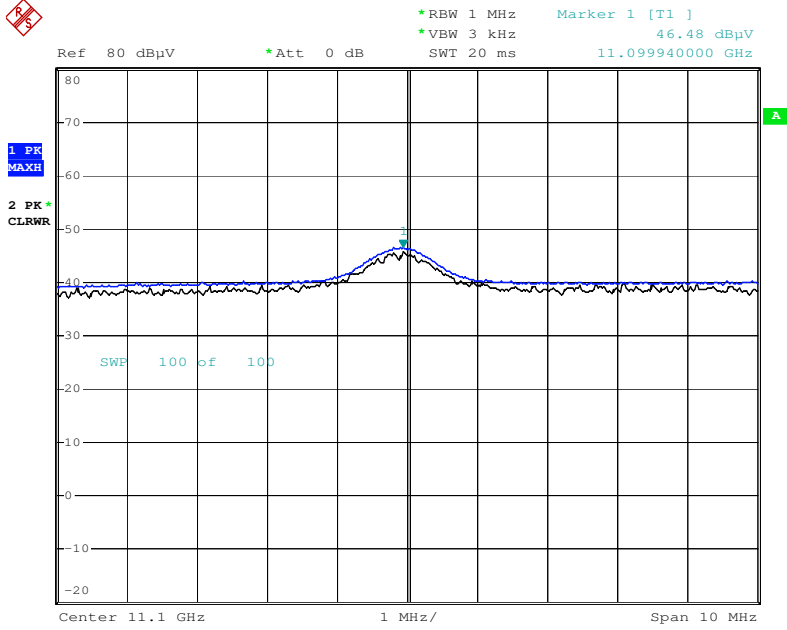
Date: 17.JAN.2017 10:49:49

**Radiated Spurious Emissions plot – Peak Reading (802.11n\_HT40, Ch.110 2nd Harmonic, Z-V)**



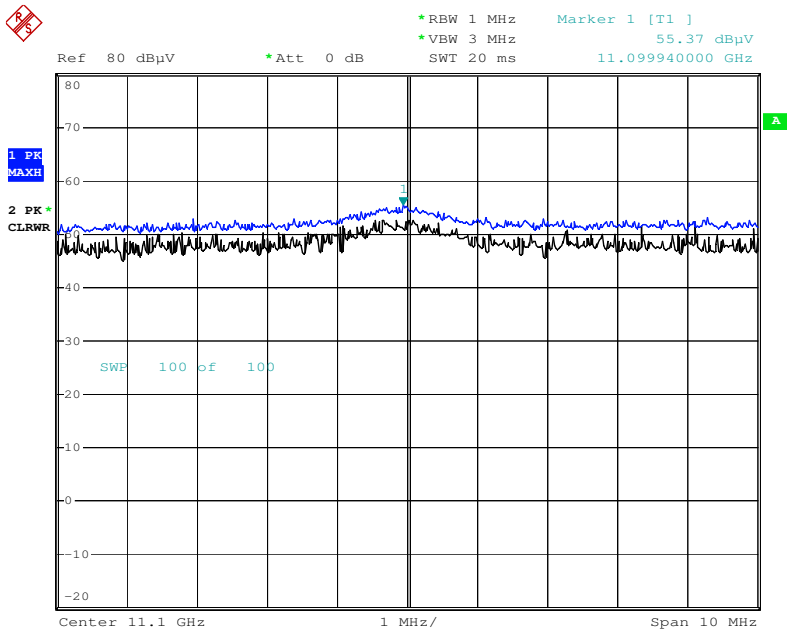
Date: 17.JAN.2017 10:50:36

**Radiated Spurious Emissions plot – Average Reading (802.11ac\_VHT40, Ch.110 2nd Harmonic, Z-V)**



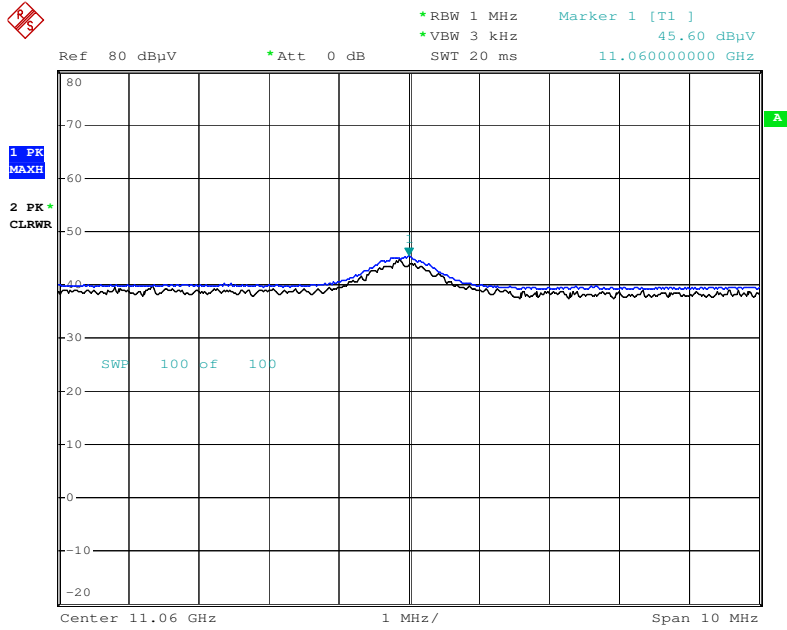
Date: 17.JAN.2017 10:53:01

**Radiated Spurious Emissions plot –Peak Reading (802.11ac\_VHT40, Ch.110 2nd Harmonic, Z-V)**



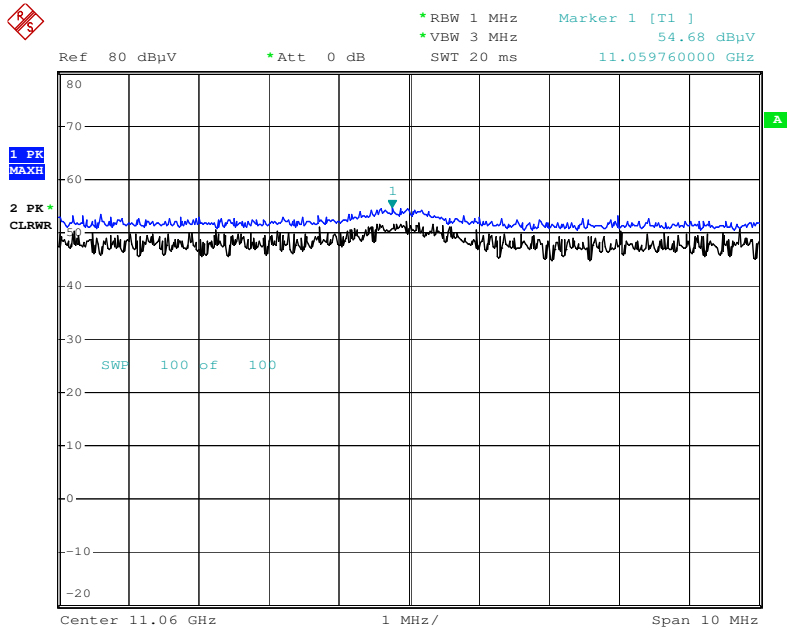
Date: 17.JAN.2017 10:51:39

**Radiated Spurious Emissions plot – Average Reading (802.11ac\_VHT80, Ch.106 2nd Harmonic, X-V)**



Date: 2.FEB.2017 15:32:51

**Radiated Spurious Emissions plot –Peak Reading (802.11ac\_VHT80, Ch.106 2nd Harmonic, X-V)**



Date: 2.FEB.2017 15:33:59

**Note : Only the worst case plots for Radiated Spurious Emissions.**

### 9.7.2 RADIATED RESTRICTED BAND EDGE MEASUREMENTS

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in section 15.209(a) (See section 15.205(c)).

**[Only tablet]**

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	54.24	2.81	H	57.05	73.98	16.93	PK
5150	41.52	2.81	H	44.33	53.98	9.65	AV
5150	53.29	2.81	V	56.1	73.98	17.88	PK
5150	41.18	2.81	V	43.99	53.98	9.99	AV

Band : UNII 1  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5180 MHz  
 Channel No. 36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	55.61	2.81	H	58.42	73.98	15.56	PK
5150	41.85	2.81	H	44.66	53.98	9.32	AV
5150	54.39	2.81	V	57.2	73.98	16.78	PK
5150	41.41	2.81	V	44.22	53.98	9.76	AV

Band : UNII 1  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5180 MHz  
 Channel No. 36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	53.94	2.81	H	56.75	73.98	17.23	PK
5150	41.62	2.81	H	44.43	53.98	9.55	AV
5150	53.06	2.81	V	55.87	73.98	18.11	PK
5150	41.25	2.81	V	44.06	53.98	9.92	AV

Band : UNII 1  
 Operation Mode: 802.11 n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5190 MHz  
 Channel No. 38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	60.63	2.81	H	63.44	73.98	10.54	PK
5150	42.58	2.81	H	45.39	53.98	8.59	AV
5150	59.32	2.81	V	62.13	73.98	11.85	PK
5150	42.14	2.81	V	44.95	53.98	9.03	AV

Band : UNII 1  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency 5190 MHz  
 Channel No. 38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	59.97	2.81	H	62.78	73.98	11.20	PK
5150	42.27	2.81	H	45.08	53.98	8.90	AV
5150	58.84	2.81	V	61.65	73.98	12.33	PK
5150	41.75	2.81	V	44.56	53.98	9.42	AV

Band : UNII 1  
 Operation Mode: 802.11 ac\_VHT80  
 Transfer MCS Index: 0  
 Operating Frequency 5210 MHz  
 Channel No. 42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	55.97	2.81	H	58.78	73.98	15.20	PK
5150	43.24	2.81	H	46.05	53.98	7.93	AV
5150	54.64	2.81	V	57.45	73.98	16.53	PK
5150	42.59	2.81	V	45.4	53.98	8.58	AV

Band : UNII 2A  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	52.90	3.86	H	56.76	73.98	17.22	PK
5350	40.15	3.86	H	44.01	53.98	9.97	AV
5350	53.45	3.86	V	57.31	73.98	16.67	PK
5350	39.48	3.86	V	43.34	53.98	10.64	AV

Band : UNII 2A  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	52.21	3.86	H	56.07	73.98	17.91	PK
5350	39.69	3.86	H	43.55	53.98	10.43	AV
5350	52.15	3.86	V	56.01	73.98	17.97	PK
5350	39.13	3.86	V	42.99	53.98	10.99	AV

Band : UNII 2A  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	52.41	3.86	H	56.27	73.98	17.71	PK
5350	39.63	3.86	H	43.49	53.98	10.49	AV
5350	52.50	3.86	V	56.36	73.98	17.62	PK
5350	39.28	3.86	V	43.14	53.98	10.84	AV

Band : UNII 2A  
 Operation Mode: 802.11 n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5310 MHz  
 Channel No. 62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	58.20	3.86	H	62.06	73.98	11.92	PK
5350	40.44	3.86	H	44.3	53.98	9.68	AV
5350	56.23	3.86	V	60.09	73.98	13.89	PK
5350	39.98	3.86	V	43.84	53.98	10.14	AV

Band : UNII 2A  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency 5310 MHz  
 Channel No. 62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	57.20	3.86	H	61.06	73.98	12.92	PK
5350	40.38	3.86	H	44.24	53.98	9.74	AV
5350	55.69	3.86	V	59.55	73.98	14.43	PK
5350	39.81	3.86	V	43.67	53.98	10.31	AV

Band : UNII 2A  
 Operation Mode: 802.11 ac\_VHT80  
 Transfer MCS Index: 0  
 Operating Frequency 5290 MHz  
 Channel No. 58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	54.15	3.86	H	58.01	73.98	15.97	PK
5350	41.78	3.86	H	45.64	53.98	8.34	AV
5350	53.59	3.86	V	57.45	73.98	16.53	PK
5350	41.26	3.86	V	45.12	53.98	8.86	AV

Band : UNII 2C  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5500 MHz  
 Channel No. 100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	51.63	5.10	H	56.73	73.98	17.25	PK
5460	38.08	5.10	H	43.18	53.98	10.80	AV
*5470	52.87	5.18	H	58.05	68.20	10.15	PK
5460	50.50	5.10	V	55.6	73.98	18.38	PK
5460	37.95	5.10	V	43.05	53.98	10.93	AV
*5470	52.58	5.18	V	57.76	68.20	10.44	PK

Band : UNII 2C  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5500 MHz  
 Channel No. 100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	50.93	5.10	H	56.03	73.98	17.95	PK
5460	38.03	5.10	H	43.13	53.98	10.85	AV
*5470	53.05	5.18	H	58.23	68.20	9.97	PK
5460	50.68	5.10	V	55.78	73.98	18.20	PK
5460	37.75	5.10	V	42.85	53.98	11.13	AV
*5470	52.31	5.18	V	57.49	68.20	10.71	PK

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5500 MHz  
 Channel No. 100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	51.34	5.10	H	56.44	73.98	17.54	PK
5460	38.15	5.10	H	43.25	53.98	10.73	AV
*5470	52.79	5.18	H	57.97	68.20	10.23	PK
5460	50.87	5.10	V	55.97	73.98	18.01	PK
5460	37.69	5.10	V	42.79	53.98	11.19	AV
*5470	52.16	5.18	V	57.34	68.20	10.86	PK

Band : UNII 2C  
 Operation Mode: 802.11 n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5510 MHz  
 Channel No. 102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	53.74	5.10	H	58.84	73.98	15.14	PK
5460	38.70	5.10	H	43.8	53.98	10.18	AV
*5470	57.94	5.18	H	63.12	68.20	5.08	PK
5460	52.28	5.10	V	57.38	73.98	16.60	PK
5460	38.47	5.10	V	43.57	53.98	10.41	AV
*5470	57.17	5.18	V	62.35	68.20	5.85	PK

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency 5510 MHz  
 Channel No. 102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	53.92	5.10	H	59.02	73.98	14.96	PK
5460	38.85	5.10	H	43.95	53.98	10.03	AV
*5470	57.92	5.18	H	63.1	68.20	5.10	PK
5460	53.14	5.10	V	58.24	73.98	15.74	PK
5460	38.22	5.10	V	43.32	53.98	10.66	AV
*5470	56.33	5.18	V	61.51	68.20	6.69	PK

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT80  
 Transfer MCS Index: 0  
 Operating Frequency 5530 MHz  
 Channel No. 106 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.81	5.10	H	59.91	73.98	14.07	PK
5460	42.20	5.10	H	47.3	53.98	6.68	AV
*5470	55.06	5.18	H	60.24	68.20	7.96	PK
5460	52.00	5.10	V	57.1	73.98	16.88	PK
5460	41.88	5.10	V	46.98	53.98	7.00	AV
*5470	53.89	5.18	V	59.07	68.20	9.13	PK

Band : UNII 2C  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5700 MHz  
 Channel No. 140 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	51.75	5.95	H	57.70	68.20	10.50	PK
5725	50.82	5.95	V	56.77	68.20	11.43	PK

Band : UNII 2C  
 Operation Mode: 802.11 n\_HT20  
 Transfer Rate: 0  
 Operating Frequency 5700 MHz  
 Channel No. 140 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	50.58	5.95	H	56.53	68.20	11.67	PK
5725	49.76	5.95	V	55.71	68.20	12.49	PK

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer Rate: 0  
 Operating Frequency 5700 MHz  
 Channel No. 140 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	50.44	5.95	H	56.39	68.20	11.81	PK
5725	49.59	5.95	V	55.54	68.20	12.66	PK

Band : UNII 2C  
 Operation Mode: 802.11 n\_HT40  
 Transfer Rate: 0  
 Operating Frequency 5670 MHz  
 Channel No. 134 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	54.95	5.95	H	60.90	68.20	7.30	PK
5725	53.50	5.95	V	59.45	68.20	8.75	PK

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer Rate: 0  
 Operating Frequency 5670 MHz  
 Channel No. 134 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	55.73	5.95	H	61.68	68.20	6.52	PK
5725	54.43	5.95	V	60.38	68.20	7.82	PK

**[UNII 3 band test result for IC]**

Band : UNII 3  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5745 MHz  
 Channel No. 149 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	51.19	5.95	H	57.14	78.20	21.06	PK
5725	50.88	5.95	V	56.83	78.20	21.37	PK
5715	49.94	5.69	H	55.63	68.20	12.57	PK
5715	49.50	5.69	V	55.19	68.20	13.01	PK

Band : UNII 3  
 Operation Mode: 802.11 n\_HT20  
 Transfer Rate: 0  
 Operating Frequency 5745 MHz  
 Channel No. 149 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	50.85	5.95	H	56.80	78.20	21.40	PK
5725	50.23	5.95	V	56.18	78.20	22.02	PK
5715	49.86	5.69	H	55.55	68.20	12.65	PK
5715	49.24	5.69	V	54.93	68.20	13.27	PK

Band : UNII 3  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer Rate: 0  
 Operating Frequency 5745 MHz  
 Channel No. 149 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	50.71	5.95	H	56.66	78.20	21.54	PK
5725	50.21	5.95	V	56.16	78.20	22.04	PK
5715	49.97	5.69	H	55.66	68.20	12.54	PK
5715	49.38	5.69	V	55.07	68.20	13.13	PK

Band : UNII 3  
 Operation Mode: 802.11 n\_HT40  
 Transfer Rate: 0  
 Operating Frequency 5755 MHz  
 Channel No. 151 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	59.08	5.95	H	65.03	78.20	13.17	PK
5725	58.24	5.95	V	64.19	78.20	14.01	PK
5715	58.26	5.69	H	63.95	68.20	4.25	PK
5715	57.56	5.69	V	63.25	68.20	4.95	PK

Band : UNII 3  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer Rate: 0  
 Operating Frequency 5755 MHz  
 Channel No. 151 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	58.99	5.95	H	64.94	78.20	13.26	PK
5725	58.45	5.95	V	64.40	78.20	13.80	PK
5715	58.08	5.69	H	63.77	68.20	4.43	PK
5715	57.66	5.69	V	63.35	68.20	4.85	PK

Band : UNII 3  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5825 MHz  
 Channel No. 165 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	49.12	7.02	H	56.14	78.20	22.06	PK
5850	48.68	7.02	V	55.70	78.20	22.50	PK
5860	48.58	6.79	H	55.37	68.20	12.83	PK
5860	48.02	6.79	V	54.81	68.20	13.39	PK

Band : UNII 3  
 Operation Mode: 802.11 n\_HT20  
 Transfer Rate: 0  
 Operating Frequency 5825 MHz  
 Channel No. 165 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	49.00	7.02	H	56.02	78.20	22.18	PK
5850	48.75	7.02	V	55.77	78.20	22.43	PK
5860	48.47	6.79	H	55.26	68.20	12.94	PK
5860	48.01	6.79	V	54.80	68.20	13.40	PK

Band : UNII 3  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer Rate: 0  
 Operating Frequency 5825 MHz  
 Channel No. 165 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	49.51	7.02	H	56.53	78.20	21.67	PK
5850	48.99	7.02	V	56.01	78.20	22.19	AV
5860	48.66	6.79	H	55.45	68.20	12.75	PK
5860	48.13	6.79	V	54.92	68.20	13.28	AV

Band : UNII 3  
 Operation Mode: 802.11 n\_HT40  
 Transfer Rate: 0  
 Operating Frequency 5795 MHz  
 Channel No. 159 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	53.65	7.02	H	60.67	78.20	17.53	PK
5850	53.14	7.02	V	60.16	78.20	18.04	PK
5860	52.16	6.79	H	58.95	68.20	9.25	PK
5860	51.73	6.79	V	58.52	68.20	9.68	PK

Band : UNII 3  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer Rate: 0  
 Operating Frequency 5795 MHz  
 Channel No. 159 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	54.70	7.02	H	61.72	78.20	16.48	PK
5850	54.21	7.02	V	61.23	78.20	16.97	AV
5860	52.87	6.79	H	59.66	68.20	8.54	PK
5860	52.39	6.79	V	59.18	68.20	9.02	AV

Band : UNII 3  
 Operation Mode: 802.11 ac\_VHT80  
 Transfer MCS Index: 0  
 Operating Frequency 5755 MHz  
 Channel No. 155 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	52.81	5.95	H	58.76	78.20	19.44	PK
5725	52.36	5.95	V	58.31	78.20	19.89	PK
5715	51.77	5.69	H	57.46	68.20	10.74	PK
5715	51.29	5.69	V	56.98	68.20	11.22	PK
5850	50.23	7.02	H	57.25	78.20	20.95	PK
5850	49.87	7.02	V	56.89	78.20	21.31	PK
5860	49.42	6.79	H	56.21	68.20	11.99	PK
5860	49.13	6.79	V	55.92	68.20	12.28	PK

**Notes:**

1. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + ATT + Distance Factor
2. We have done all data rate in 802.11a/n/ac mode test. . Worst case of EUT is lowest data rate in 802.11a/n/ac.
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
4. “\*” is radiated band edge test frequency.(not restricted band emissions)

**[Tablet+keyboard cover(kickstand)]**

Band : UNII 1  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5180 MHz  
 Channel No. 36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	54.92	2.81	H	57.73	73.98	16.25	PK
5150	42.07	2.81	H	44.88	53.98	9.10	AV
5150	53.13	2.81	V	55.94	73.98	18.04	PK
5150	40.42	2.81	V	43.23	53.98	10.75	AV

Band : UNII 1  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5180 MHz  
 Channel No. 36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	55.53	2.81	H	58.34	73.98	15.64	PK
5150	42.10	2.81	H	44.91	53.98	9.07	AV
5150	53.82	2.81	V	56.63	73.98	17.35	PK
5150	40.56	2.81	V	43.37	53.98	10.61	AV

Band : UNII 1  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5180 MHz  
 Channel No. 36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	54.85	2.81	H	57.66	73.98	16.32	PK
5150	42.10	2.81	H	44.91	53.98	9.07	AV
5150	53.17	2.81	V	55.98	73.98	18.00	PK
5150	40.49	2.81	V	43.3	53.98	10.68	AV

Band : UNII 1  
 Operation Mode: 802.11 n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5190 MHz  
 Channel No. 38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	60.27	2.81	H	63.08	73.98	10.90	PK
5150	42.67	2.81	H	45.48	53.98	8.50	AV
5150	58.58	2.81	V	61.39	73.98	12.59	PK
5150	41.03	2.81	V	43.84	53.98	10.14	AV

Band : UNII 1  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency 5190 MHz  
 Channel No. 38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	62.13	2.81	H	64.94	73.98	9.04	PK
5150	42.89	2.81	H	45.7	53.98	8.28	AV
5150	59.94	2.81	V	62.75	73.98	11.23	PK
5150	41.22	2.81	V	44.03	53.98	9.95	AV

Band : UNII 1  
 Operation Mode: 802.11 ac\_VHT80  
 Transfer MCS Index: 0  
 Operating Frequency 5210 MHz  
 Channel No. 42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	55.92	2.81	H	58.73	73.98	15.25	PK
5150	43.83	2.81	H	46.64	53.98	7.34	AV
5150	53.86	2.81	V	56.67	73.98	17.31	PK
5150	42.33	2.81	V	45.14	53.98	8.84	AV

Band : UNII 2A  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	54.26	3.86	H	58.12	73.98	15.86	PK
5350	40.55	3.86	H	44.41	53.98	9.57	AV
5350	50.68	3.86	V	54.54	73.98	19.44	PK
5350	37.16	3.86	V	41.02	53.98	12.96	AV

Band : UNII 2A  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	53.39	3.86	H	57.25	73.98	16.73	PK
5350	40.62	3.86	H	44.48	53.98	9.50	AV
5350	50.90	3.86	V	54.76	73.98	19.22	PK
5350	37.33	3.86	V	41.19	53.98	12.79	AV

Band : UNII 2A  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	53.42	3.86	H	57.28	73.98	16.70	PK
5350	40.71	3.86	H	44.57	53.98	9.41	AV
5350	51.31	3.86	V	55.17	73.98	18.81	PK
5350	37.68	3.86	V	41.54	53.98	12.44	AV

Band : UNII 2A  
 Operation Mode: 802.11 n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5310 MHz  
 Channel No. 62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	59.79	3.86	H	63.65	73.98	10.33	PK
5350	42.13	3.86	H	45.99	53.98	7.99	AV
5350	57.35	3.86	V	61.21	73.98	12.77	PK
5350	39.81	3.86	V	43.67	53.98	10.31	AV

Band : UNII 2A  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency 5310 MHz  
 Channel No. 62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	59.71	3.86	H	63.57	73.98	10.41	PK
5350	41.45	3.86	H	45.31	53.98	8.67	AV
5350	57.10	3.86	V	60.96	73.98	13.02	PK
5350	38.96	3.86	V	42.82	53.98	11.16	AV

Band : UNII 2A  
 Operation Mode: 802.11 ac\_VHT80  
 Transfer MCS Index: 0  
 Operating Frequency 5290 MHz  
 Channel No. 58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	55.29	3.86	H	59.15	73.98	14.83	PK
5350	42.66	3.86	H	46.52	53.98	7.46	AV
5350	54.11	3.86	V	57.97	73.98	16.01	PK
5350	40.09	3.86	V	43.95	53.98	10.03	AV

Band : UNII 2C  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5500 MHz  
 Channel No. 100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	51.38	5.10	H	56.48	73.98	17.50	PK
5460	38.24	5.10	H	43.34	53.98	10.64	AV
*5470	53.34	5.18	H	58.52	68.20	9.68	PK
5460	49.09	5.10	V	54.19	73.98	19.79	PK
5460	36.09	5.10	V	41.19	53.98	12.79	AV
*5470	50.57	5.18	V	55.75	68.20	12.45	PK

Band : UNII 2C  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5500 MHz  
 Channel No. 100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	51.98	5.10	H	57.08	73.98	16.90	PK
5460	38.04	5.10	H	43.14	53.98	10.84	AV
*5470	53.33	5.18	H	58.51	68.20	9.69	PK
5460	49.43	5.10	V	54.53	73.98	19.45	PK
5460	36.21	5.10	V	41.31	53.98	12.67	AV
*5470	50.75	5.18	V	55.93	68.20	12.27	PK

Band : UNII 2C  
Operation Mode: 802.11 ac\_VHT20  
Transfer MCS Index: 0  
Operating Frequency 5500 MHz  
Channel No. 100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	51.28	5.10	H	56.38	73.98	17.60	PK
5460	37.79	5.10	H	42.89	53.98	11.09	AV
*5470	52.55	5.18	H	57.73	68.20	10.47	PK
5460	49.83	5.10	V	54.93	73.98	19.05	PK
5460	36.25	5.10	V	41.35	53.98	12.63	AV
*5470	50.84	5.18	V	56.02	68.20	12.18	PK

Band : UNII 2C  
Operation Mode: 802.11 n\_HT40  
Transfer MCS Index: 0  
Operating Frequency 5510 MHz  
Channel No. 102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.42	5.10	H	59.52	73.98	14.46	PK
5460	38.66	5.10	H	43.76	53.98	10.22	AV
*5470	57.16	5.18	H	62.34	68.20	5.86	PK
5460	52.50	5.10	V	57.6	73.98	16.38	PK
5460	37.45	5.10	V	42.55	53.98	11.43	AV
*5470	55.08	5.18	V	60.26	68.20	7.94	PK

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency 5510 MHz  
 Channel No. 102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.38	5.10	H	59.48	73.98	14.50	PK
5460	38.51	5.10	H	43.61	53.98	10.37	AV
*5470	57.41	5.18	H	62.59	68.20	5.61	PK
5460	52.19	5.10	V	57.29	73.98	16.69	PK
5460	37.28	5.10	V	42.38	53.98	11.60	AV
*5470	55.36	5.18	V	60.54	68.20	7.66	PK

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT80  
 Transfer MCS Index: 0  
 Operating Frequency 5530 MHz  
 Channel No. 106 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.95	5.10	H	60.05	73.98	13.93	PK
5460	41.92	5.10	H	47.02	53.98	6.96	AV
*5470	54.81	5.18	H	59.99	68.20	8.21	PK
5460	51.68	5.10	V	56.78	73.98	17.20	PK
5460	40.64	5.10	V	45.74	53.98	8.24	AV
*5470	52.14	5.18	V	57.32	68.20	10.88	PK

Band : UNII 2C  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5700 MHz  
 Channel No. 140 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	51.59	5.95	H	57.54	68.20	10.66	PK
5725	50.67	5.95	V	56.62	68.20	11.58	PK

Band : UNII 2C  
 Operation Mode: 802.11 n\_HT20  
 Transfer Rate: 0  
 Operating Frequency 5700 MHz  
 Channel No. 140 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	50.63	5.95	H	56.58	68.20	11.62	PK
5725	49.90	5.95	V	55.85	68.20	12.35	PK

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer Rate: 0  
 Operating Frequency 5700 MHz  
 Channel No. 140 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	50.28	5.95	H	56.23	68.20	11.97	PK
5725	49.49	5.95	V	55.44	68.20	12.76	PK

Band : UNII 2C  
 Operation Mode: 802.11 n\_HT40  
 Transfer Rate: 0  
 Operating Frequency 5670 MHz  
 Channel No. 134 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	55.06	5.95	H	61.01	68.20	7.19	PK
5725	53.71	5.95	V	59.66	68.20	8.54	PK

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer Rate: 0  
 Operating Frequency 5670 MHz  
 Channel No. 134 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	55.49	5.95	H	61.44	68.20	6.76	PK
5725	54.25	5.95	V	60.20	68.20	8.00	PK

Band : UNII 3  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5745 MHz  
 Channel No. 149 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	50.37	5.95	H	56.32	78.20	21.88	PK
5725	49.71	5.95	V	55.66	78.20	22.54	PK
5715	50.19	5.69	H	55.88	68.20	12.32	PK
5715	49.62	5.69	V	55.31	68.20	12.89	PK

**[UNII 3 band test result for IC]**

Band : UNII 3  
 Operation Mode: 802.11 n\_HT20  
 Transfer Rate: 0  
 Operating Frequency 5745 MHz  
 Channel No. 149 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	50.11	5.95	H	56.06	78.20	22.14	PK
5725	49.63	5.95	V	55.58	78.20	22.62	PK
5715	49.27	5.69	H	54.96	68.20	13.24	PK
5715	48.92	5.69	V	54.61	68.20	13.59	PK

Band : UNII 3  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer Rate: 0  
 Operating Frequency 5745 MHz  
 Channel No. 149 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	50.49	5.95	H	56.44	78.20	21.76	PK
5725	50.03	5.95	V	55.98	78.20	22.22	PK
5715	49.71	5.69	H	55.40	68.20	12.80	PK
5715	49.23	5.69	V	54.92	68.20	13.28	PK

Band : UNII 3  
 Operation Mode: 802.11 n\_HT40  
 Transfer Rate: 0  
 Operating Frequency 5755 MHz  
 Channel No. 151 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	58.87	5.95	H	64.82	78.20	13.38	PK
5725	58.31	5.95	V	64.26	78.20	13.94	PK
5715	56.51	5.69	H	62.20	68.20	6.00	PK
5715	56.20	5.69	V	61.89	68.20	6.31	PK

Band : UNII 3  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer Rate: 0  
 Operating Frequency 5755 MHz  
 Channel No. 151 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	58.89	5.95	H	64.84	78.20	13.36	PK
5725	58.46	5.95	V	64.41	78.20	13.79	PK
5715	56.55	5.69	H	62.24	68.20	5.96	PK
5715	56.12	5.69	V	61.81	68.20	6.39	PK

Band : UNII 3  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5825 MHz  
 Channel No. 165 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	48.95	7.02	H	55.97	78.20	22.23	PK
5850	48.33	7.02	V	55.35	78.20	22.85	PK
5860	48.24	6.79	H	55.03	68.20	13.17	PK
5860	47.86	6.79	V	54.65	68.20	13.55	PK

Band : UNII 3  
 Operation Mode: 802.11 n\_HT20  
 Transfer Rate: 0  
 Operating Frequency 5825 MHz  
 Channel No. 165 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	48.81	7.02	H	55.83	78.20	22.37	PK
5850	48.36	7.02	V	55.38	78.20	22.82	PK
5860	48.39	6.79	H	55.18	68.20	13.02	PK
5860	48.11	6.79	V	54.90	68.20	13.30	PK

Band : UNII 3  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer Rate: 0  
 Operating Frequency 5825 MHz  
 Channel No. 165 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	49.02	7.02	H	56.04	78.20	22.16	PK
5850	48.57	7.02	V	55.59	78.20	22.61	AV
5860	48.46	6.79	H	55.25	68.20	12.95	PK
5860	47.99	6.79	V	54.78	68.20	13.42	AV

Band : UNII 3  
 Operation Mode: 802.11 n\_HT40  
 Transfer Rate: 0  
 Operating Frequency 5795 MHz  
 Channel No. 159 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	52.54	7.02	H	59.56	78.20	18.64	PK
5850	52.12	7.02	V	59.14	78.20	19.06	PK
5860	51.88	6.79	H	58.67	68.20	9.53	PK
5860	51.34	6.79	V	58.13	68.20	10.07	PK

Band : UNII 3  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer Rate: 0  
 Operating Frequency 5795 MHz  
 Channel No. 159 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	52.91	7.02	H	59.93	78.20	18.27	PK
5850	52.48	7.02	V	59.5	78.20	18.70	AV
5860	51.75	6.79	H	58.54	68.20	9.66	PK
5860	51.36	6.79	V	58.15	68.20	10.05	AV

Band : UNII 3  
 Operation Mode: 802.11 ac\_VHT80  
 Transfer MCS Index: 0  
 Operating Frequency 5755 MHz  
 Channel No. 155 Ch

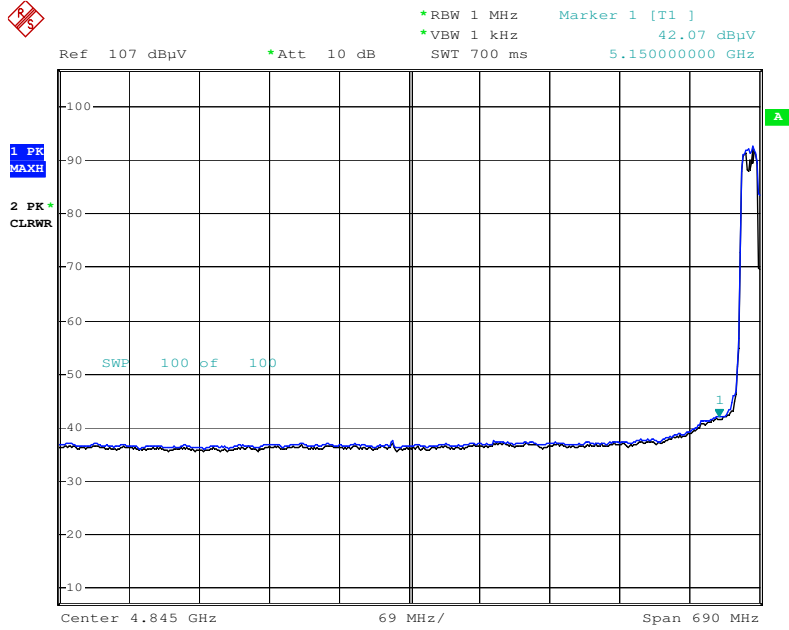
Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	51.57	5.95	H	57.52	78.20	20.68	PK
5725	51.06	5.95	V	57.01	78.20	21.19	PK
5715	50.82	5.69	H	56.51	68.20	11.69	PK
5715	50.29	5.69	V	55.98	68.20	12.22	PK
5850	48.39	7.02	H	55.41	78.20	22.79	PK
5850	48.16	7.02	V	55.18	78.20	23.02	PK
5860	48.09	6.79	H	54.88	68.20	13.32	PK
5860	47.89	6.79	V	54.68	68.20	13.52	PK

**Notes:**

1. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + ATT + Distance Factor
2. We have done all data rate in 802.11a/n/ac mode test. . Worst case of EUT is lowest data rate in 802.11a/n/ac.
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
4. “\*” is radiated band edge test frequency.(not restricted band emissions)

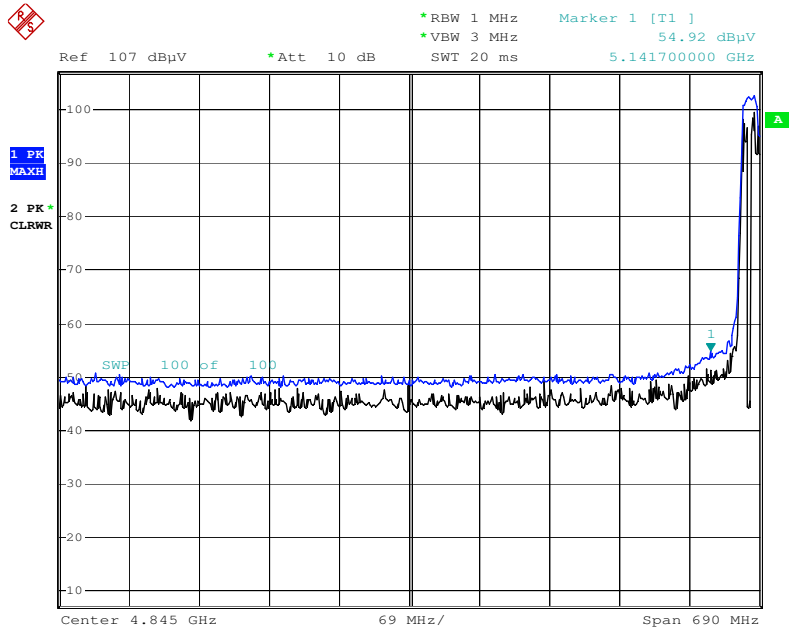
■ RESULT PLOTS(Tablet+keyboard cover(kickstand))

Radiated Restricted Band Edges plot – Average Reading (802.11a, Ch.36, X-H)



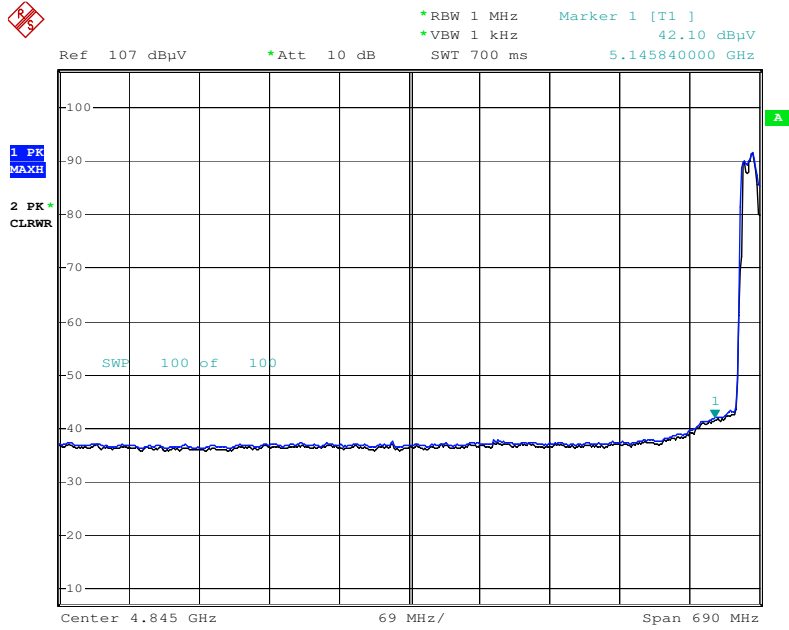
Date: 12.JAN.2017 14:33:13

Radiated Restricted Band Edges plot – Peak Reading (802.11a, Ch.36, X-H)



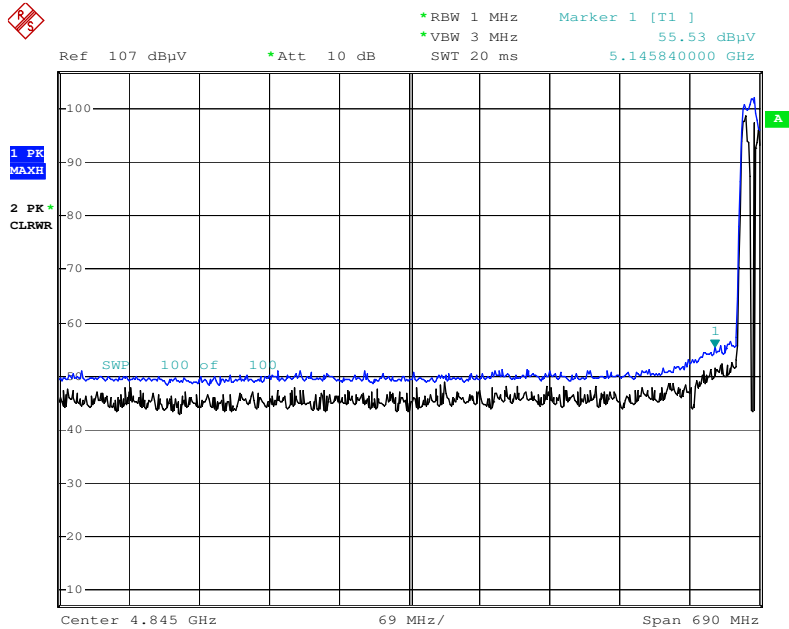
Date: 12.JAN.2017 14:36:12

**Radiated Restricted Band Edges plot – Average Reading (802.11n\_HT20, Ch.36, X-H)**



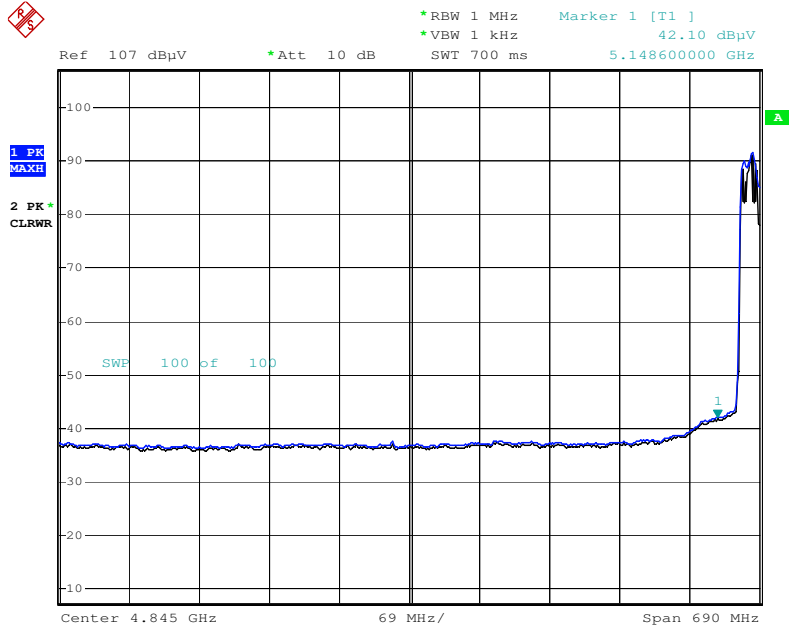
Date: 12.JAN.2017 21:47:15

**Radiated Restricted Band Edges plot – Peak Reading (802.11n\_HT20, Ch.36, X-H)**



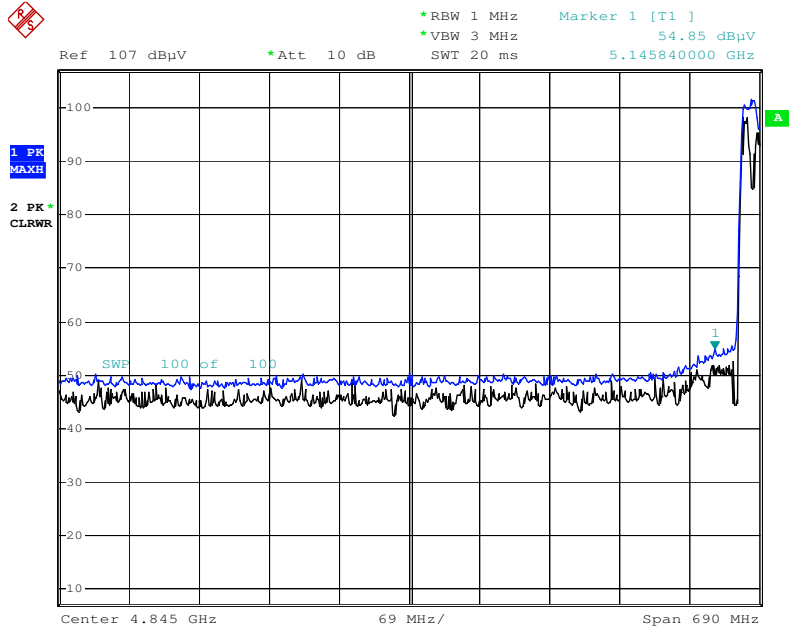
Date: 12.JAN.2017 21:52:22

**Radiated Restricted Band Edges plot – Average Reading (802.11ac\_VHT20, Ch.36, X-H)**



Date: 12.JAN.2017 21:55:52

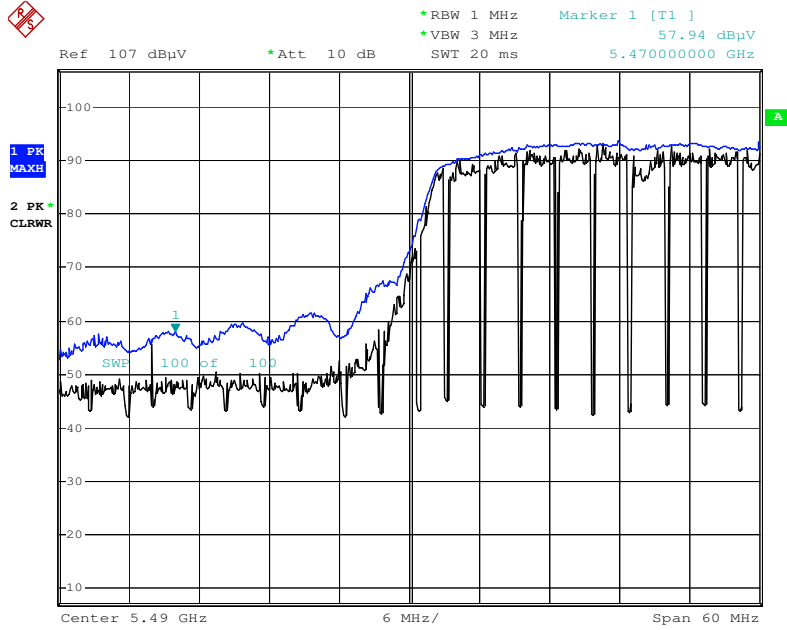
**Radiated Restricted Band Edges plot – Peak Reading (802.11ac\_VHT20, Ch.36, X-H)**



Date: 12.JAN.2017 21:53:37

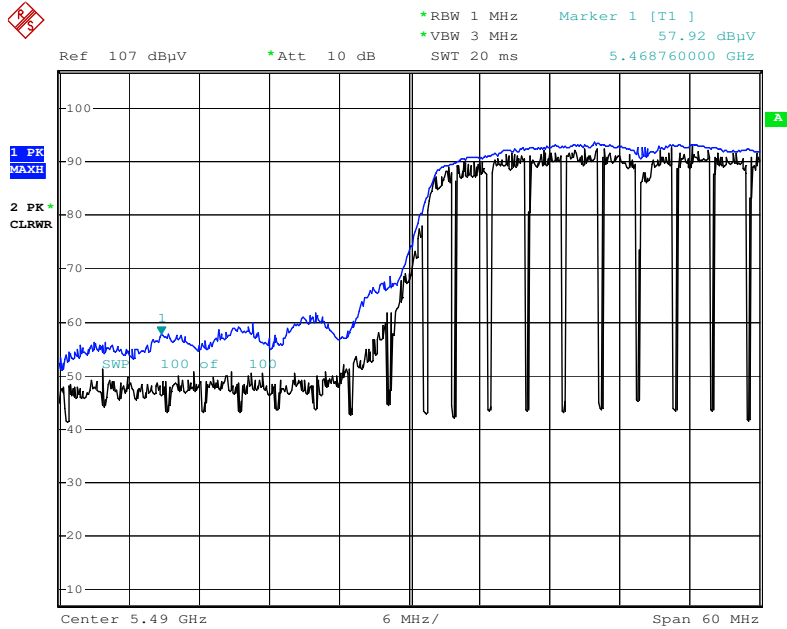
## RESULT PLOTS(Only tablet)

### Radiated Restricted Band Edges plot – Peak Reading (802.11n\_HT40, Ch.102, X-H)



Date: 11.JAN.2017 15:32:07

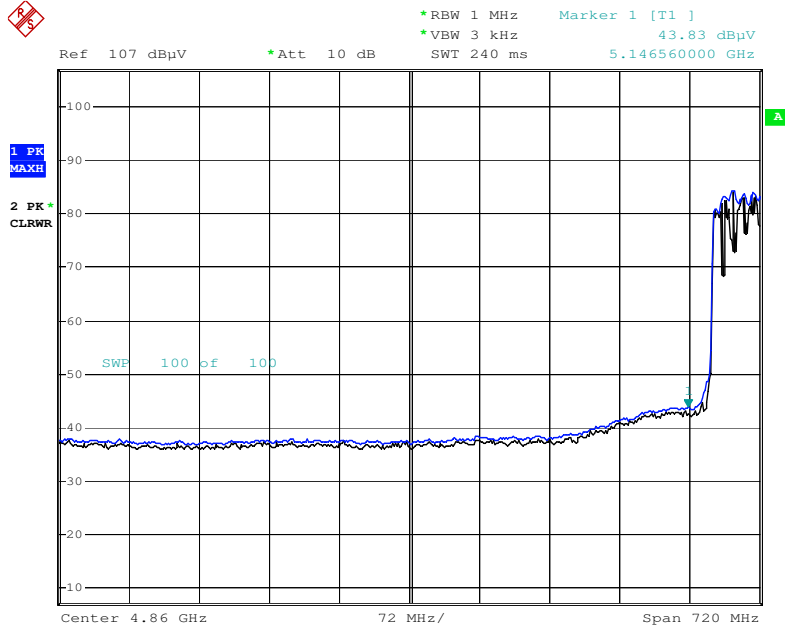
### Radiated Restricted Band Edges plot – Peak Reading (802.11ac\_VHT40, Ch.102, X-H)



Date: 11.JAN.2017 15:37:14

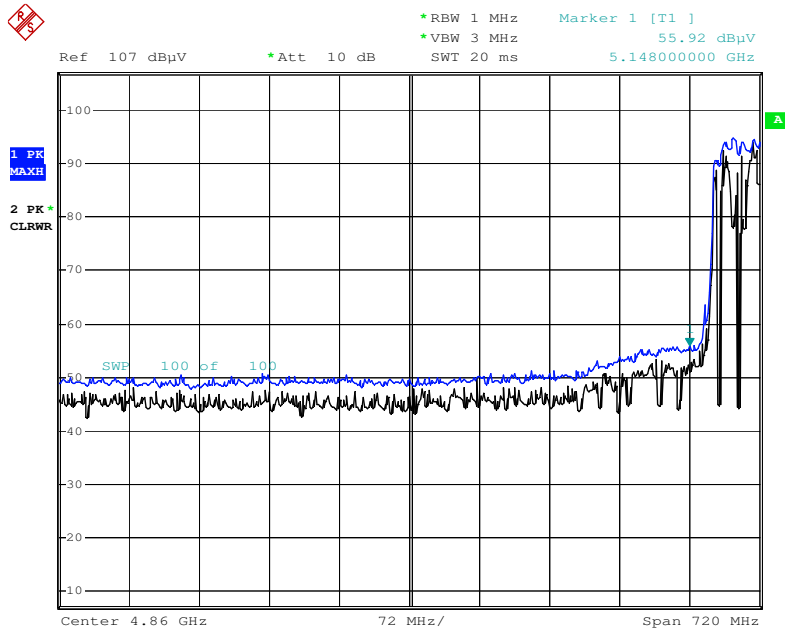
■ RESULT PLOTS(Tablet+keyboard cover(kickstand))

Radiated Restricted Band Edges plot – Average Reading (802.11ac\_VHT80, Ch.42, X-H)



Date: 12.JAN.2017 22:04:32

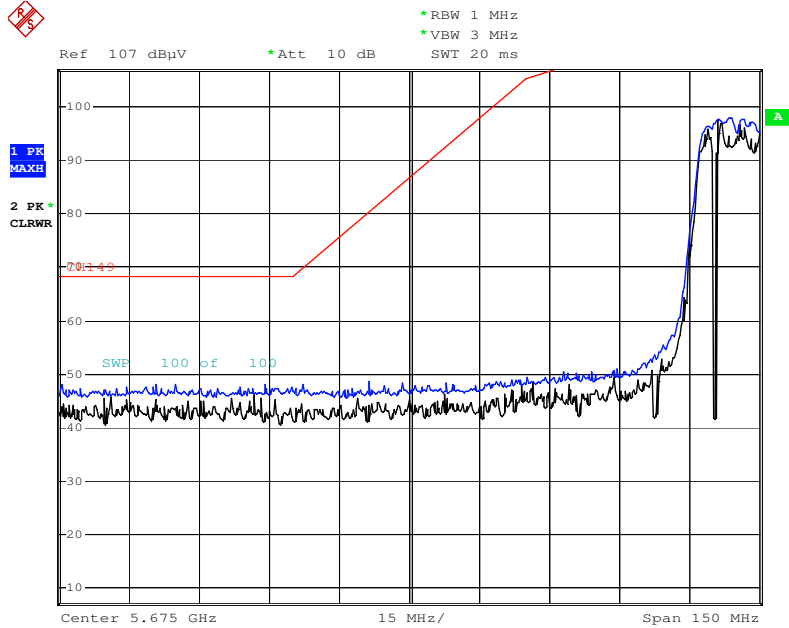
Radiated Restricted Band Edges plot – Peak Reading (802.11ac\_VHT80, Ch.42, X-H)



Date: 12.JAN.2017 22:06:29

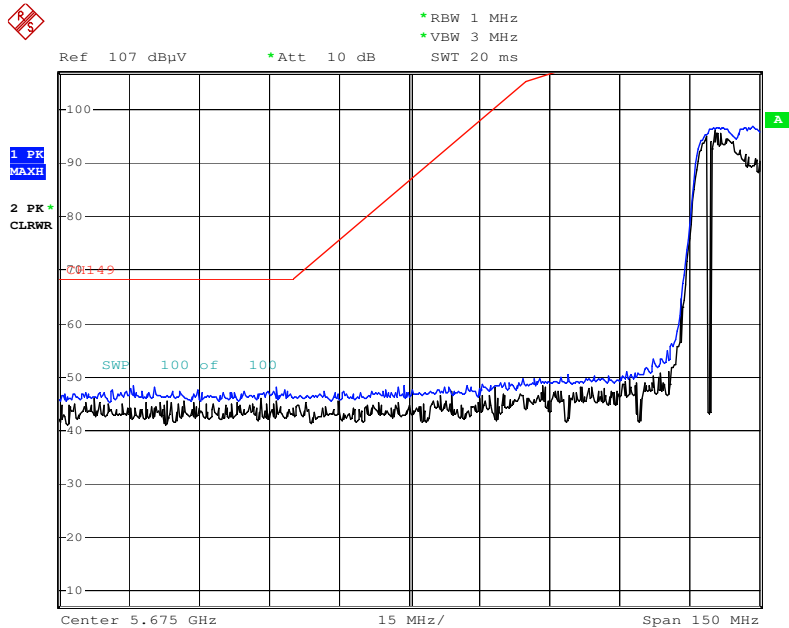
RESULT PLOTS (UNII 3 – ch.149, Only tablet) for FCC

Radiated Restricted Band Edges plot – Peak Reading (802.11a)



Date: 26.JAN.2017 11:08:34

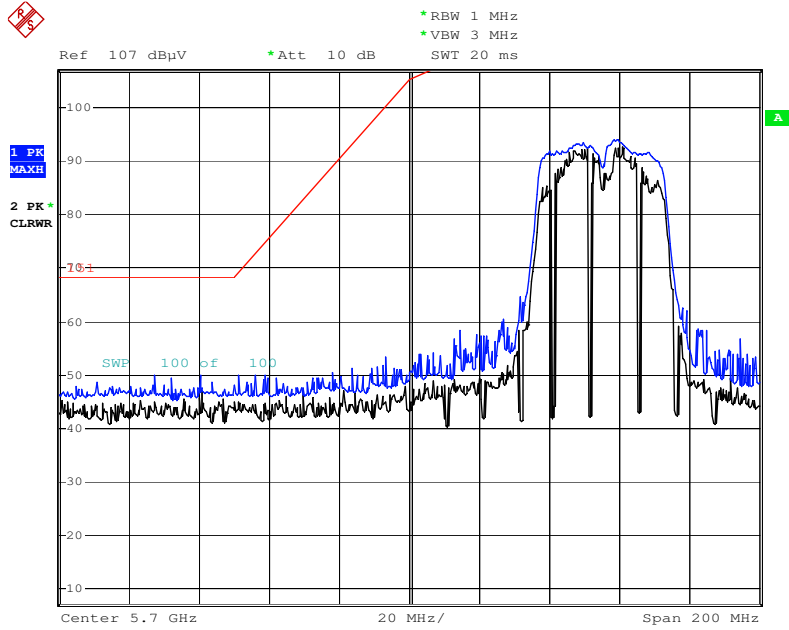
Radiated Restricted Band Edges plot – Peak Reading (802.11n\_HT20)



Date: 26.JAN.2017 11:44:57

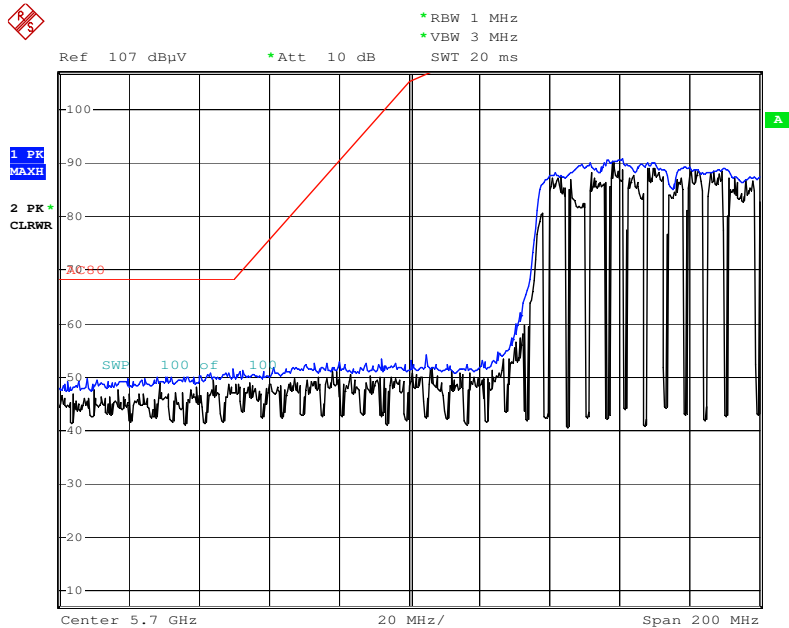


### Radiated Restricted Band Edges plot – Peak Reading (802.11ac\_VHT40)



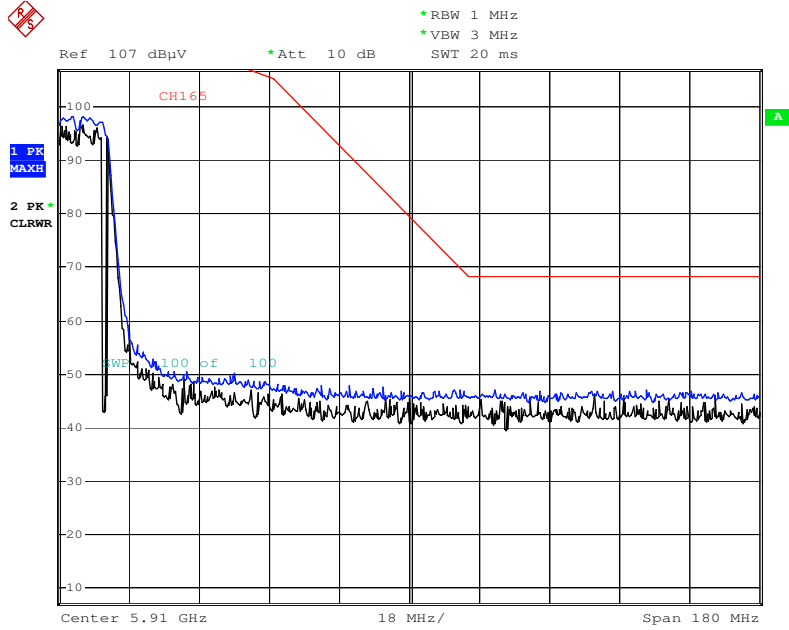
Date: 26.JAN.2017 11:47:49

### Radiated Restricted Band Edges plot – Peak Reading (802.11ac\_VHT80)



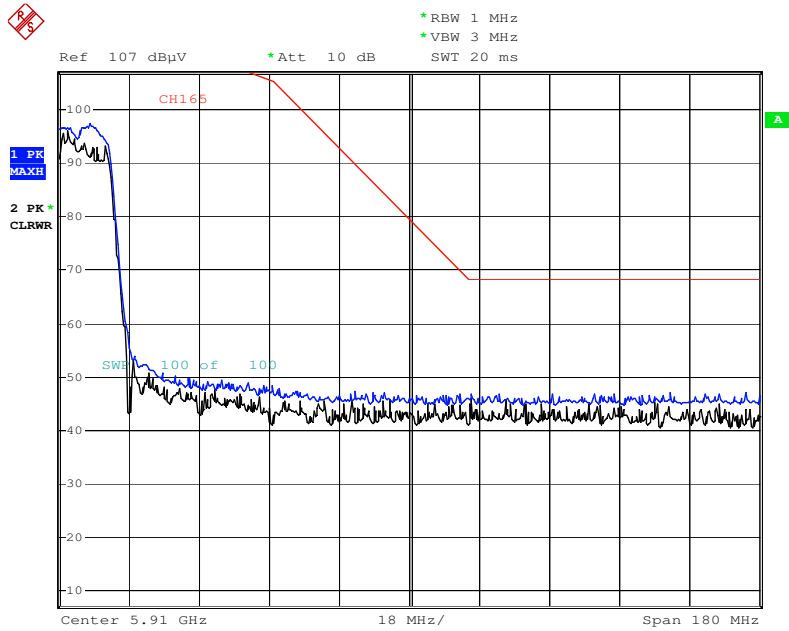
Date: 26.JAN.2017 11:48:51

■ **RESULT PLOTS (UNII 3 – ch.165, Only tablet) for FCC**  
**Radiated Restricted Band Edges plot – Peak Reading (802.11a)**



Date: 12.JAN.2017 23:31:34

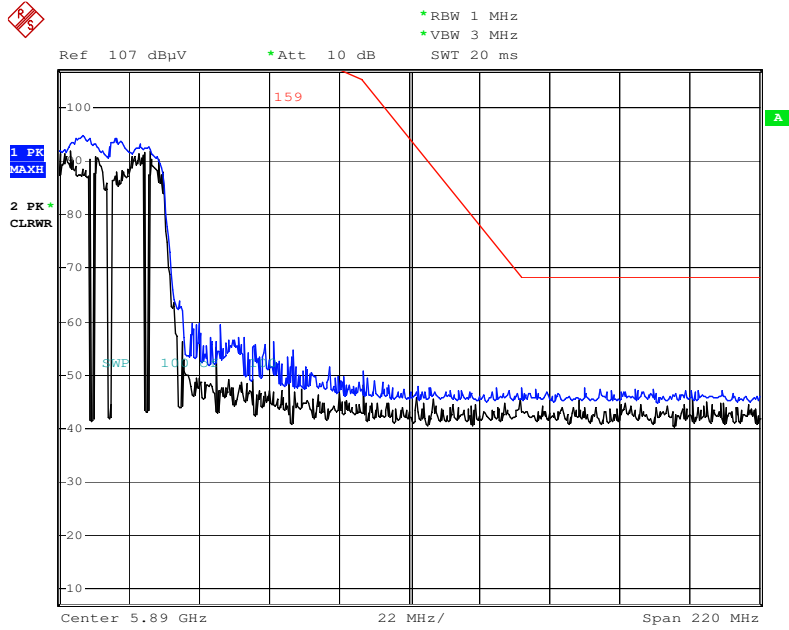
**Radiated Restricted Band Edges plot – Peak Reading (802.11n\_HT20)**



Date: 12.JAN.2017 23:33:04

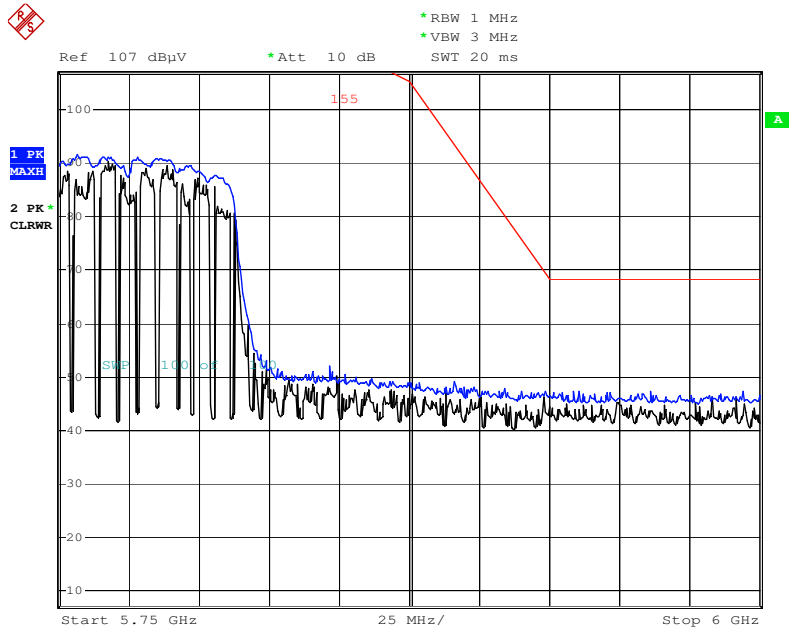


**Radiated Restricted Band Edges plot – Peak Reading (802.11ac\_VHT40)**



Date: 12.JAN.2017 23:36:38

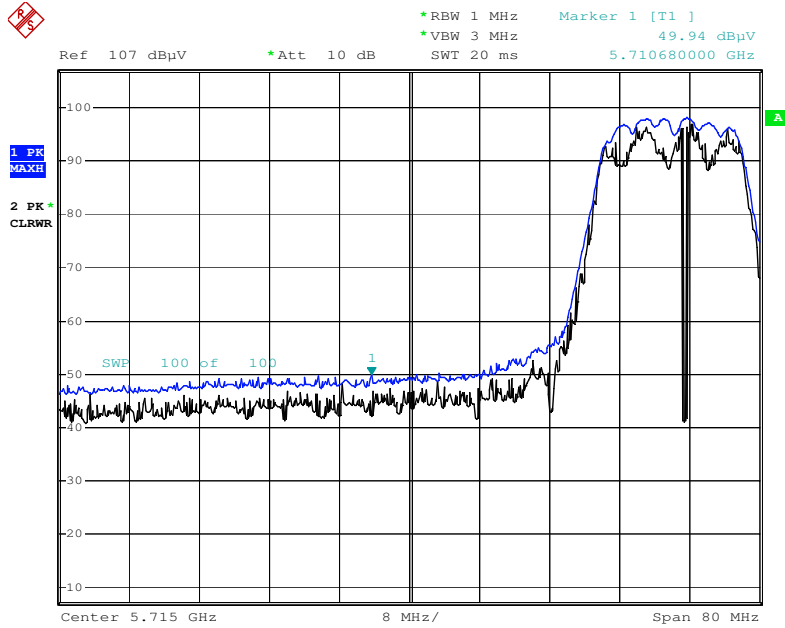
**Radiated Restricted Band Edges plot – Peak Reading (802.11ac\_VHT80)**



Date: 12.JAN.2017 23:37:36

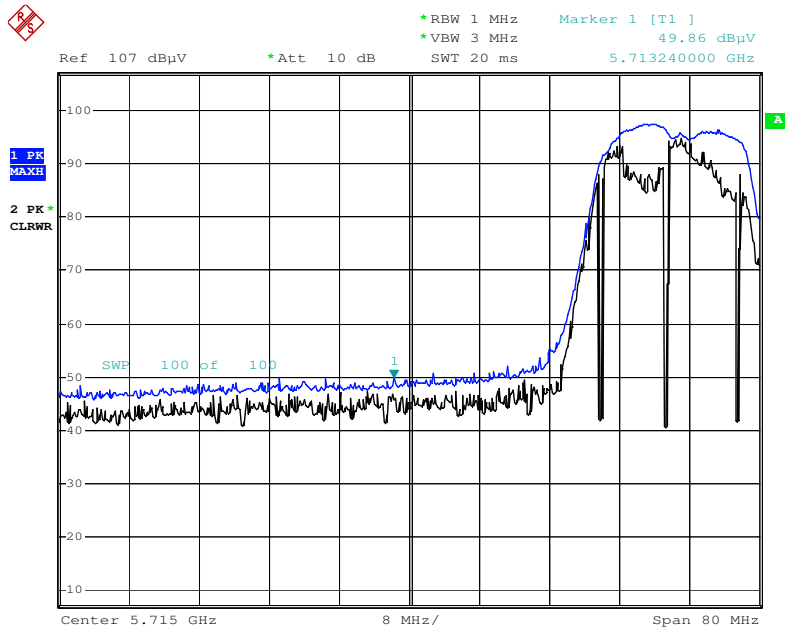
■ RESULT PLOTS (UNII 3, Only tablet) for IC

Radiated Restricted Band Edges plot – Peak Reading (802.11a, Ch.149, X-H)



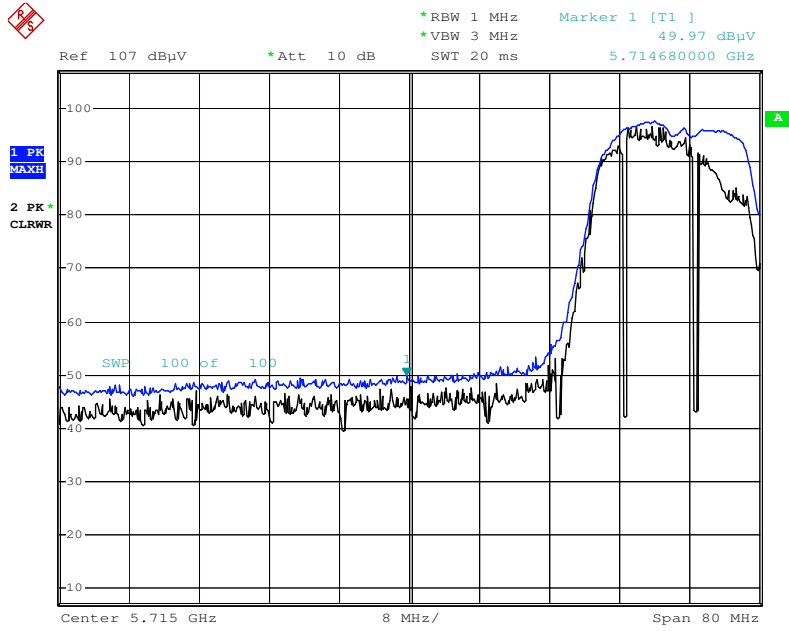
Date: 13.FEB.2017 13:54:35

Radiated Restricted Band Edges plot – Peak Reading (802.11n\_HT20, Ch.149, X-H)



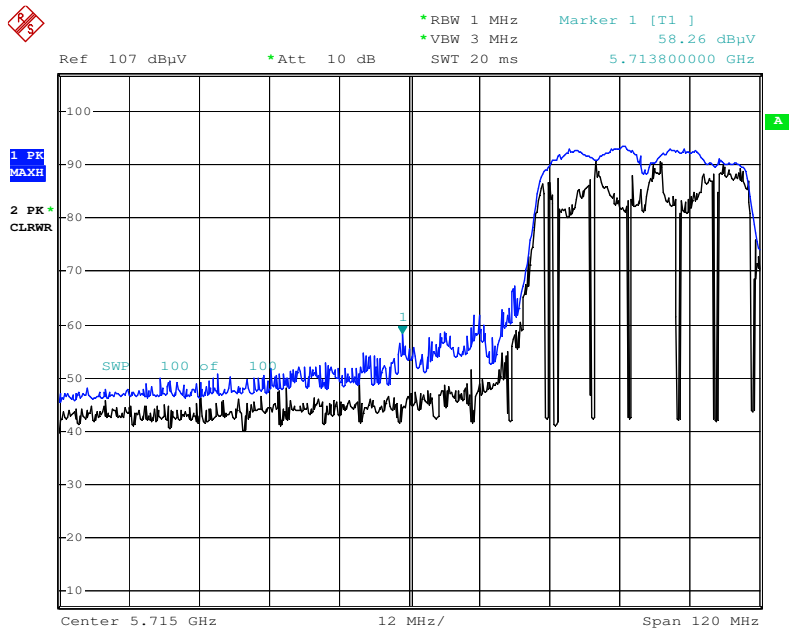
Date: 13.FEB.2017 13:55:42

**Radiated Restricted Band Edges plot – Peak Reading (802.11ac\_VHT20, Ch.149, X-H)**



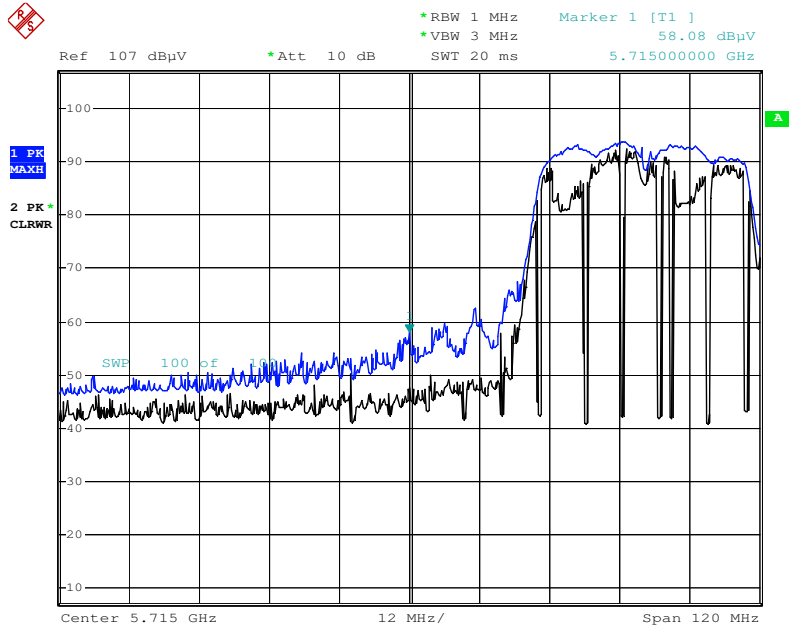
Date: 13.FEB.2017 13:57:13

**Radiated Restricted Band Edges plot – Peak Reading (802.11n\_HT40, Ch.151, X-H)**



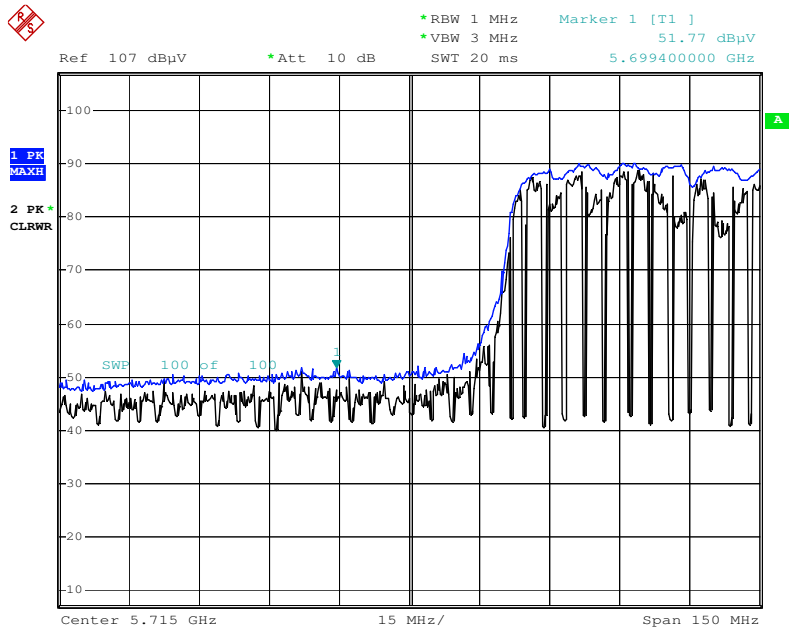
Date: 13.FEB.2017 13:49:53

**Radiated Restricted Band Edges plot – Peak Reading (802.11ac\_VHT40, Ch.151, X-H)**



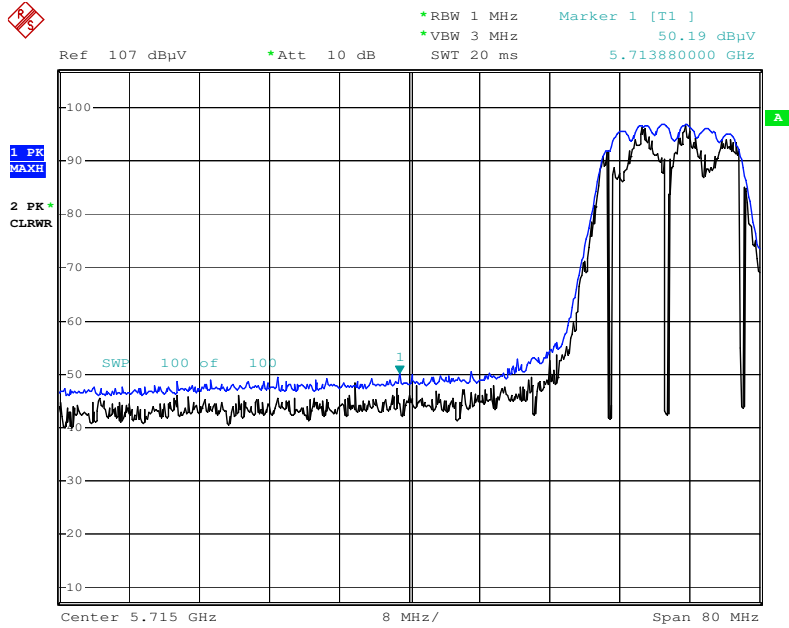
Date: 13.FEB.2017 13:52:23

**Radiated Restricted Band Edges plot – Peak Reading (802.11ac\_VHT80, Ch.155, X-H)**



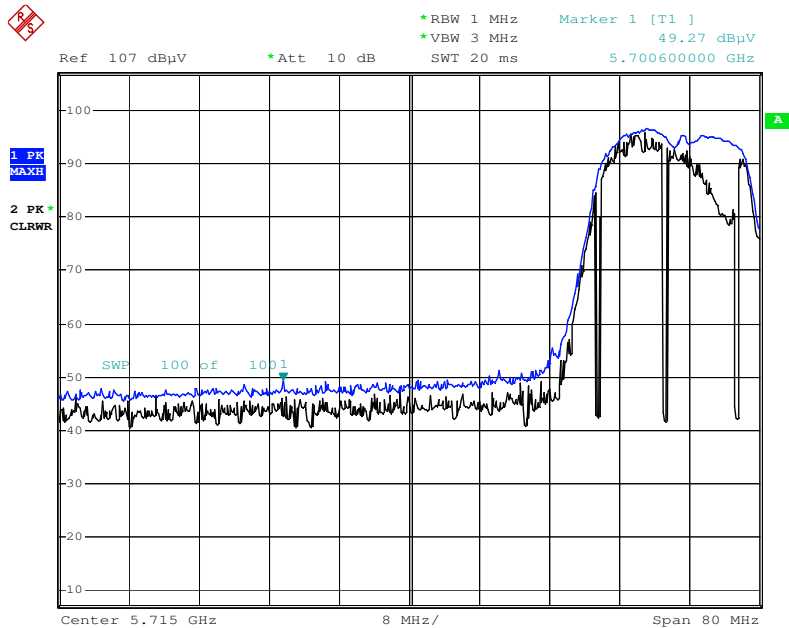
Date: 13.FEB.2017 13:48:09

■ **RESULT PLOTS (UNII 3, Tablet+keyboard cover(kickstand)) for IC**  
**Radiated Restricted Band Edges plot – Peak Reading (802.11a, Ch.149, X-H)**



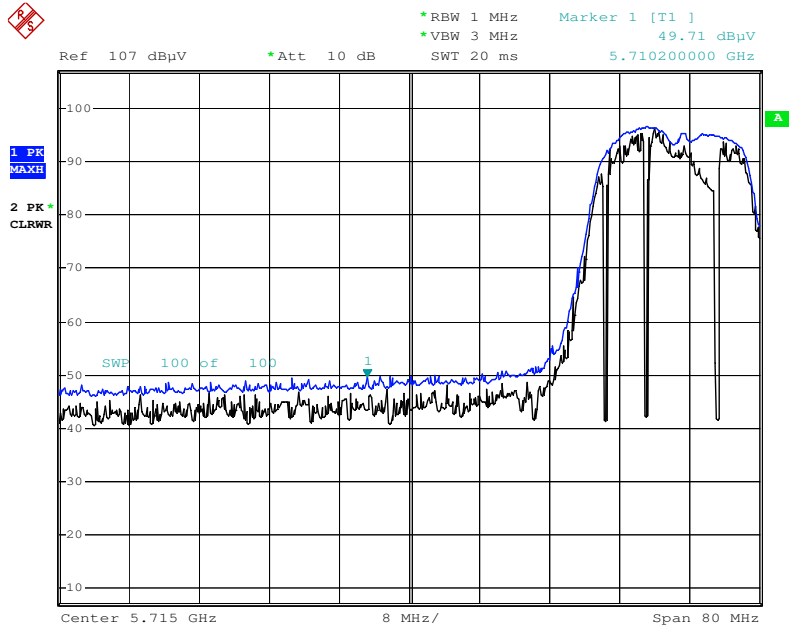
Date: 13.FEB.2017 14:24:55

**Radiated Restricted Band Edges plot – Peak Reading (802.11n\_HT20, Ch.149, X-H)**



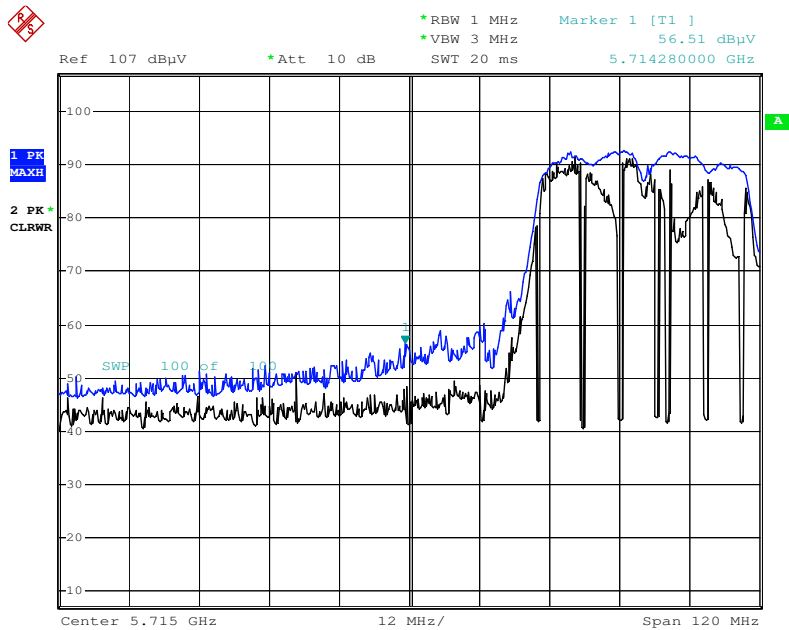
Date: 13.FEB.2017 14:28:48

**Radiated Restricted Band Edges plot – Peak Reading (802.11ac\_VHT20, Ch.149, X-H)**



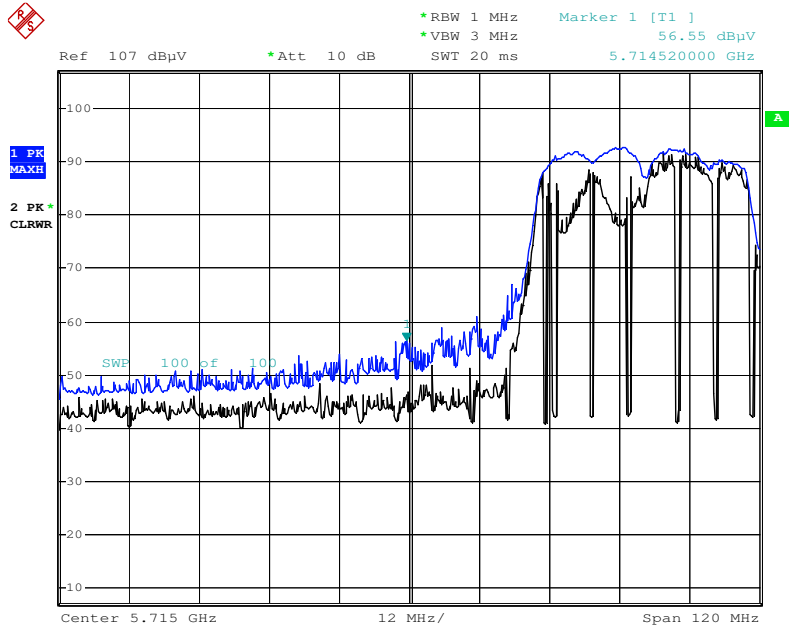
Date: 13.FEB.2017 14:28:11

**Radiated Restricted Band Edges plot – Peak Reading (802.11n\_HT40, Ch.151, X-H)**



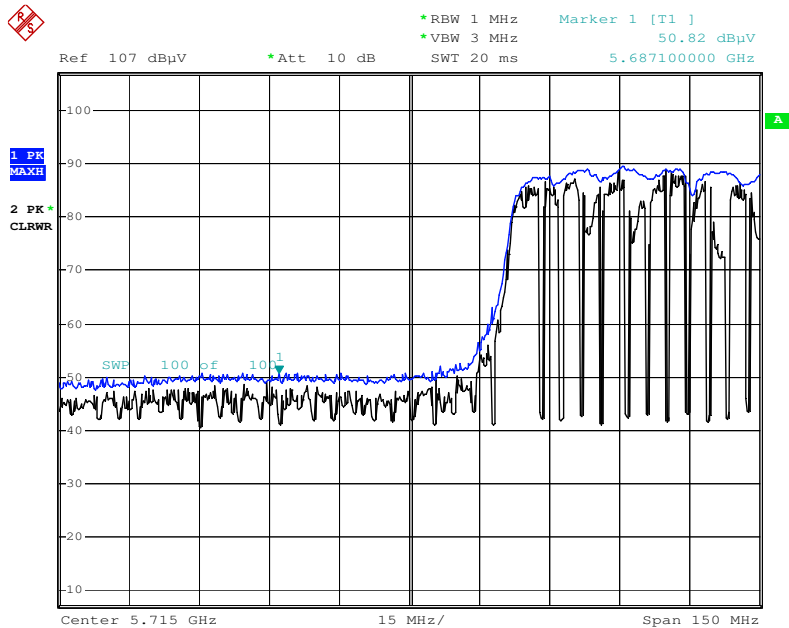
Date: 13.FEB.2017 14:30:58

**Radiated Restricted Band Edges plot – Peak Reading (802.11ac\_VHT40, Ch.151, X-H)**



Date: 13.FEB.2017 14:35:44

**Radiated Restricted Band Edges plot – Peak Reading (802.11ac\_VHT80, Ch.155, X-H)**



Date: 13.FEB.2017 14:37:20

### 9.7.3 RECEIVER SPURIOUS EMISSIONS

IC Rule(s) **RSS-Gen**  
 Test Requirements: **Blow the table**  
 Operating conditions: **Under normal test conditions**  
 Method of testing: **Radiated**

S/A. Settings: **F < 1 GHz: RBW: 120 kHz, VBW: 300 kHz (Quasi Peak)**  
**F > 1 GHz: RBW: 1 MHz, VBW: 1 MHz (Peak)**  
 Mode of operation: **Receive**

Frequency (MHz)	Field Strength (microvolts/m at 3 meters)
30 – 88	100
88 - 216	150
216 – 960	200
Above 960	500

**Operation Mode: Receive:**

30 MHz ~ 1 GHz

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dB $\mu$ V	dB /m	dB	(H/V)	dB $\mu$ V/m	dB $\mu$ V/m	dB
No Critical peaks found							

Above 1 GHz

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dB $\mu$ V	dB /m	dB	(H/V)	dB $\mu$ V/m	dB $\mu$ V/m	dB
No Critical peaks found							

## 9.8 POWERLINE CONDUCTED EMISSIONS

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

Frequency Range (MHz)	Limits (dB $\mu$ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

### Test Configuration

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

### TEST PROCEDURE

1. The EUT is placed on a wooden table 80 cm above the reference groundplane.
2. The EUT is connected via LISN to a test power supply.
3. The measurement results are obtained as described below:
4. Detectors – Quasi Peak and Average Detector.

### Sample Calculation

Quasi-peak(Final Result) = Reading Value + Correction Factor

■ **RESULT PLOTS (Only tablet)**  
**Conducted Emissions (Line 1)**

EMI Auto Test(4)

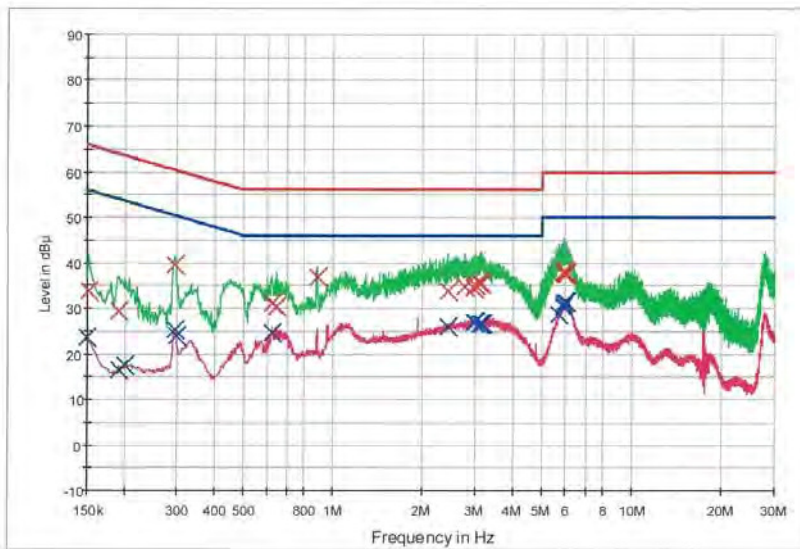
1 / 2

**HCT TEST Report**

**Common Information**

EUT: SM-W727V  
 Manufacturer: SAMSUNG  
 Test Site: SHIELD ROOM  
 Operating Conditions: WLAN\_5G\_L1

FCC CLASS B



— FCC CLASS B\_QP      — FCC CLASS B\_AV      — Preview Result 1-PK+  
 — Preview Result 2-AVG      x Final Result 1-QPK      x Final Result 2-CAV

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.152000	33.8	9.000	Off	L1	9.6	32.1	65.9
0.192000	29.3	9.000	Off	L1	9.6	34.6	63.9
0.294000	39.6	9.000	Off	L1	9.7	20.9	60.4
0.624000	30.9	9.000	Off	L1	9.7	25.1	56.0
0.646000	30.5	9.000	Off	L1	9.7	25.5	56.0
0.884000	36.9	9.000	Off	L1	9.7	19.1	56.0
2.428000	33.7	9.000	Off	L1	9.8	22.3	56.0
2.770000	34.7	9.000	Off	L1	9.8	21.3	56.0
2.966000	34.6	9.000	Off	L1	9.8	21.4	56.0
3.012000	35.2	9.000	Off	L1	9.8	20.8	56.0
3.114000	35.4	9.000	Off	L1	9.8	20.6	56.0
3.138000	35.6	9.000	Off	L1	9.8	20.4	56.0
5.928000	37.9	9.000	Off	L1	9.9	22.1	60.0
5.950000	37.6	9.000	Off	L1	9.9	22.4	60.0
5.974000	37.7	9.000	Off	L1	9.9	22.3	60.0
5.980000	38.1	9.000	Off	L1	9.9	21.9	60.0
6.026000	37.8	9.000	Off	L1	10.0	22.2	60.0
6.030000	37.5	9.000	Off	L1	10.0	22.5	60.0

**Final Result 2**

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EMI Auto Test(4)

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Frequency (MHz)	CAverage (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	23.7	9.000	Off	L1	9.6	32.3	56.0
0.192000	16.5	9.000	Off	L1	9.6	37.4	53.9
0.202000	17.3	9.000	Off	L1	9.6	36.2	53.5
0.294000	25.4	9.000	Off	L1	9.7	25.1	50.4
0.298000	24.0	9.000	Off	L1	9.7	26.3	50.3
0.624000	24.7	9.000	Off	L1	9.7	21.3	46.0
2.428000	25.9	9.000	Off	L1	9.8	20.1	46.0
2.968000	27.0	9.000	Off	L1	9.8	19.0	46.0
3.012000	26.9	9.000	Off	L1	9.8	19.1	46.0
3.114000	26.7	9.000	Off	L1	9.8	19.3	46.0
3.136000	26.5	9.000	Off	L1	9.8	19.5	46.0
3.162000	26.6	9.000	Off	L1	9.8	19.4	46.0
5.710000	28.6	9.000	Off	L1	9.9	21.4	50.0
5.876000	30.2	9.000	Off	L1	9.9	19.8	50.0
5.880000	30.4	9.000	Off	L1	9.9	19.6	50.0
5.914000	31.2	9.000	Off	L1	9.9	18.8	50.0
5.992000	31.2	9.000	Off	L1	9.9	18.8	50.0
6.008000	31.4	9.000	Off	L1	10.0	18.6	50.0

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**Conducted Emissions (Line 2)**

EMI Auto Test(4)

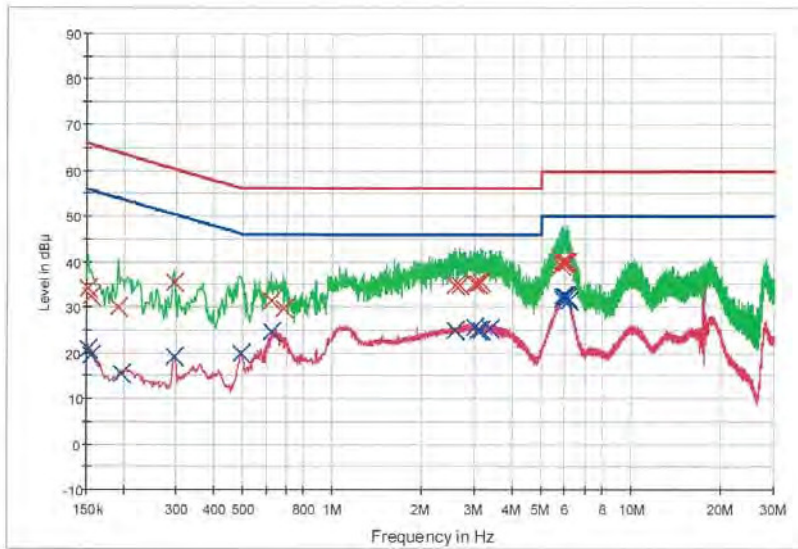
1 / 2

**HCT TEST Report**

**Common Information**

EUT: SM-W727V  
 Manufacturer: SAMSUNG  
 Test Site: SHIELD ROOM  
 Operating Conditions: WLAN\_5G\_N

FCC CLASS B



— FCC CLASS B\_OP      — FCC CLASS B\_AV      — Preview Result 1-PK+  
 — Preview Result 2-AVG      X Final Result 1-QPK      X Final Result 2-CAV

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.152000	34.0	9.000	Off	N	9.6	31.9	65.9
0.156000	32.4	9.000	Off	N	9.6	33.2	65.7
0.192000	29.9	9.000	Off	N	9.6	34.0	63.9
0.294000	35.4	9.000	Off	N	9.6	25.0	60.4
0.626000	31.5	9.000	Off	N	9.7	24.5	56.0
0.684000	29.8	9.000	Off	N	9.7	26.2	56.0
2.562000	34.7	9.000	Off	N	9.8	21.3	56.0
2.568000	34.6	9.000	Off	N	9.8	21.4	56.0
2.652000	34.8	9.000	Off	N	9.8	21.2	56.0
3.010000	35.1	9.000	Off	N	9.8	20.9	56.0
3.066000	35.2	9.000	Off	N	9.8	20.8	56.0
3.134000	35.3	9.000	Off	N	9.8	20.7	56.0
5.806000	39.1	9.000	Off	N	9.9	20.9	60.0
5.926000	40.2	9.000	Off	N	9.9	19.8	60.0
5.932000	39.7	9.000	Off	N	9.9	20.3	60.0
5.972000	39.7	9.000	Off	N	9.9	20.3	60.0
6.022000	40.0	9.000	Off	N	9.9	20.0	60.0
6.084000	39.8	9.000	Off	N	9.9	20.2	60.0

**Final Result 2**

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EMI Auto Test(4)

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Frequency (MHz)	CAverage (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.152000	20.9	9.000	Off	N	9.6	35.0	55.9
0.156000	19.6	9.000	Off	N	9.6	36.1	55.7
0.196000	15.6	9.000	Off	N	9.6	38.2	53.8
0.294000	19.0	9.000	Off	N	9.6	31.4	50.4
0.492000	19.7	9.000	Off	N	9.7	26.4	46.1
0.626000	24.7	9.000	Off	N	9.7	21.3	46.0
2.568000	25.0	9.000	Off	N	9.8	21.0	46.0
3.010000	25.5	9.000	Off	N	9.8	20.5	46.0
3.066000	25.0	9.000	Off	N	9.8	21.0	46.0
3.074000	25.0	9.000	Off	N	9.8	21.0	46.0
3.134000	24.9	9.000	Off	N	9.8	21.1	46.0
3.386000	25.4	9.000	Off	N	9.8	20.6	46.0
5.878000	31.8	9.000	Off	N	9.9	18.2	50.0
5.888000	32.3	9.000	Off	N	9.9	17.7	50.0
6.004000	32.4	9.000	Off	N	9.9	17.6	50.0
6.026000	32.3	9.000	Off	N	9.9	17.7	50.0
6.082000	32.2	9.000	Off	N	9.9	17.8	50.0
6.168000	31.3	9.000	Off	N	9.9	18.7	50.0

■ **RESULT PLOTS (Tablet+keyboard cover(kickstand))**  
**Conducted Emissions (Line 1)**

EMI Auto Test(4)

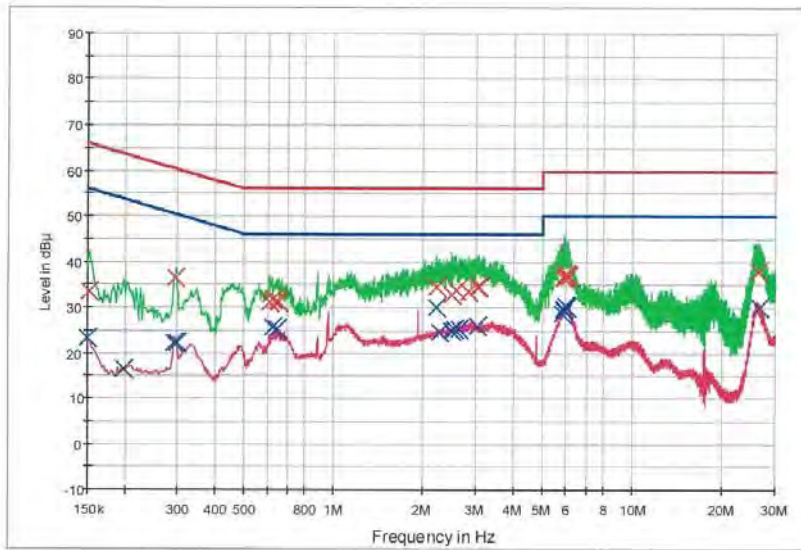
1 / 2

**HCT TEST Report**

**Common Information**

EUT: SM-W727V  
 Manufacturer: SAMSUNG  
 Test Site: SHIELD ROOM  
 Operating Conditions: WLAN\_5G\_L1 (KEYBOARD)

FCC CLASS B



— FCC CLASS B\_QP      — FCC CLASS B\_AV      — Preview Result 1-PK+  
 — Preview Result 2-AVG      × Final Result 1-QPK      × Final Result 2-CAV

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.152000	33.5	9.000	Off	L1	9.6	32.4	65.9
0.296000	36.4	9.000	Off	L1	9.7	23.9	60.4
0.614000	30.9	9.000	Off	L1	9.7	25.1	56.0
0.622000	31.7	9.000	Off	L1	9.7	24.3	56.0
0.650000	31.4	9.000	Off	L1	9.7	24.6	56.0
0.658000	31.0	9.000	Off	L1	9.7	25.0	56.0
2.208000	34.5	9.000	Off	L1	9.8	21.5	56.0
2.486000	32.7	9.000	Off	L1	9.8	23.3	56.0
2.560000	33.7	9.000	Off	L1	9.8	22.3	56.0
2.832000	33.4	9.000	Off	L1	9.8	22.6	56.0
3.020000	34.4	9.000	Off	L1	9.8	21.6	56.0
3.060000	34.4	9.000	Off	L1	9.8	21.6	56.0
5.898000	36.6	9.000	Off	L1	9.9	23.4	60.0
5.984000	37.3	9.000	Off	L1	9.9	22.7	60.0
6.006000	36.8	9.000	Off	L1	10.0	23.2	60.0
6.014000	37.1	9.000	Off	L1	10.0	22.9	60.0
6.084000	36.9	9.000	Off	L1	10.0	23.1	60.0
26.298000	37.8	9.000	Off	L1	10.4	22.2	60.0

**Final Result 2**

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EMI Auto Test(4)

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Frequency (MHz)	CAverage (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	23.2	9.000	Off	L1	9.6	32.8	56.0
0.198000	16.6	9.000	Off	L1	9.6	37.1	53.7
0.292000	22.2	9.000	Off	L1	9.7	28.2	50.5
0.298000	22.4	9.000	Off	L1	9.7	27.9	50.3
0.624000	25.5	9.000	Off	L1	9.7	20.5	46.0
0.650000	25.2	9.000	Off	L1	9.7	20.8	46.0
2.208000	30.0	9.000	Off	L1	9.8	16.0	46.0
2.270000	24.6	9.000	Off	L1	9.8	21.4	46.0
2.486000	25.0	9.000	Off	L1	9.8	21.0	46.0
2.532000	25.1	9.000	Off	L1	9.8	20.9	46.0
2.626000	25.3	9.000	Off	L1	9.8	20.7	46.0
3.020000	25.8	9.000	Off	L1	9.8	20.2	46.0
5.804000	28.8	9.000	Off	L1	9.9	21.2	50.0
5.898000	29.3	9.000	Off	L1	9.9	20.7	50.0
5.918000	29.5	9.000	Off	L1	9.9	20.5	50.0
5.984000	30.3	9.000	Off	L1	9.9	19.7	50.0
6.014000	30.0	9.000	Off	L1	10.0	20.0	50.0
26.536000	30.1	9.000	Off	L1	10.4	19.9	50.0

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**Conducted Emissions (Line 2)**

EMI Auto Test(4)

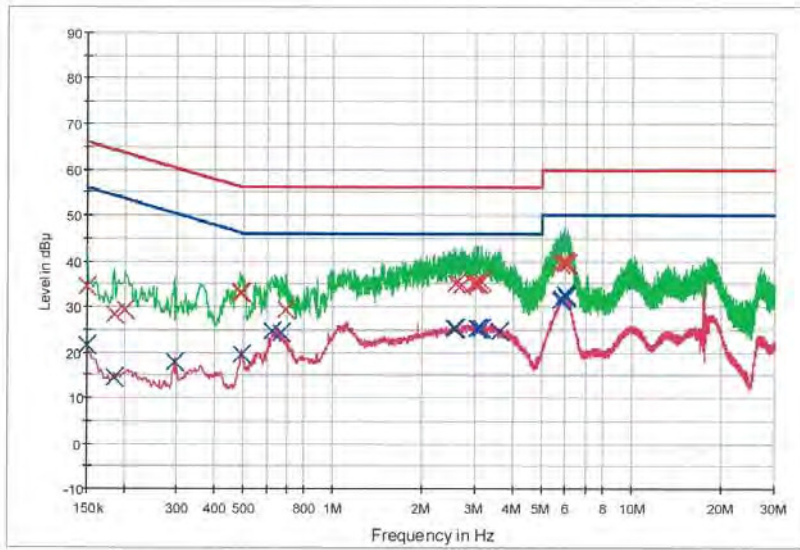
1 / 2

**HCT TEST Report**

**Common Information**

EUT: SM-W727V  
 Manufacturer: SAMSUNG  
 Test Site: SHIELD ROOM  
 Operating Conditions: WLAN\_5G\_N (KEYBOARD)

FCC CLASS B



— FCC CLASS B\_QP      — FCC CLASS B\_AV      — Preview Result 1-PK+  
— Preview Result 2-AVG      x Final Result 1-OPK      x Final Result 2-CAV

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	34.5	9.000	Off	N	9.6	31.5	66.0
0.186000	28.2	9.000	Off	N	9.6	36.0	64.2
0.202000	29.4	9.000	Off	N	9.6	34.1	63.5
0.488000	33.1	9.000	Off	N	9.7	23.1	56.2
0.492000	33.0	9.000	Off	N	9.7	23.1	56.1
0.698000	29.4	9.000	Off	N	9.7	26.6	56.0
2.574000	35.1	9.000	Off	N	9.8	20.9	56.0
2.700000	34.7	9.000	Off	N	9.8	21.3	56.0
2.954000	35.0	9.000	Off	N	9.8	21.0	56.0
3.018000	35.2	9.000	Off	N	9.8	20.8	56.0
3.054000	35.2	9.000	Off	N	9.8	20.8	56.0
3.138000	35.6	9.000	Off	N	9.8	20.4	56.0
5.798000	39.3	9.000	Off	N	9.9	20.7	60.0
5.960000	39.7	9.000	Off	N	9.9	20.3	60.0
5.964000	39.7	9.000	Off	N	9.9	20.3	60.0
5.970000	39.5	9.000	Off	N	9.9	20.5	60.0
5.984000	39.8	9.000	Off	N	9.9	20.2	60.0
6.086000	39.5	9.000	Off	N	9.9	20.5	60.0

**Final Result 2**

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EMI Auto Test(4)

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Frequency (MHz)	CAverage (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	21.5	9.000	Off	N	9.6	34.5	56.0
0.186000	14.3	9.000	Off	N	9.6	39.9	54.2
0.294000	17.7	9.000	Off	N	9.6	32.7	50.4
0.492000	19.3	9.000	Off	N	9.7	26.8	46.1
0.626000	24.5	9.000	Off	N	9.7	21.5	46.0
0.674000	24.1	9.000	Off	N	9.7	21.9	46.0
2.534000	25.1	9.000	Off	N	9.8	20.9	46.0
2.574000	25.1	9.000	Off	N	9.8	20.9	46.0
3.030000	25.4	9.000	Off	N	9.8	20.6	46.0
3.066000	25.2	9.000	Off	N	9.8	20.8	46.0
3.138000	25.1	9.000	Off	N	9.8	20.9	46.0
3.624000	24.5	9.000	Off	N	9.8	21.5	46.0
5.798000	31.4	9.000	Off	N	9.9	18.6	50.0
5.848000	31.7	9.000	Off	N	9.9	18.3	50.0
5.960000	32.6	9.000	Off	N	9.9	17.4	50.0
5.984000	32.6	9.000	Off	N	9.9	17.4	50.0
6.016000	32.2	9.000	Off	N	9.9	17.8	50.0
6.034000	32.3	9.000	Off	N	9.9	17.7	50.0

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**10. LIST OF TEST EQUIPMENT****10.1 LIST OF TEST EQUIPMENT(Conducted Test)**

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Rohde & Schwarz	ENV216 / LISN	12/23/2016	Annual	100073
Rohde & Schwarz	ESCI / Test Receiver	12/23/2016	Annual	100584
Agilent	N9020A / Signal Analyzer	06/24/2016	Annual	MY51110085
Agilent	N9030A / Signal Analyzer	11/30/2016	Annual	MY49431210
Agilent	N1911A / Power Meter	03/11/2016	Annual	MY45100523
Agilent	N1921A / Power Sensor	03/11/2016	Annual	MY52260025
Agilent	87300B / Directional Coupler	11/23/2016	Annual	3116A03621
Hewlett Packard	11667B / Power Splitter	06/14/2016	Annual	05001
Hewlett Packard	E3632A / DC Power Supply	03/09/2016	Annual	KR75303962
Agilent	8493C / Attenuator(10 dB)	07/15/2016	Annual	07560

**10.2 LIST OF TEST EQUIPMENT(Radiated Test)**

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Audix	AM4000 / Antenna Position Tower	N/A	N/A	N/A
Audix	Turn Table	N/A	N/A	N/A
Audix	EM1000 / Controller	N/A	N/A	060520
Rohde & Schwarz	Loop Antenna	02/23/2016	Biennial	1513-175
Schwarzbeck	VULB 9168 / Hybrid Antenna	04/15/2015	Biennial	255
Schwarzbeck	BBHA 9120D / Horn Antenna	05/07/2015	Biennial	937
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	09/03/2015	Biennial	BBHA9170541
Rohde & Schwarz	FSP / Spectrum Analyzer	09/10/2016	Annual	100688
Rohde & Schwarz	FSV40-N / Spectrum Analyzer	09/23/2016	Annual	101068-SZ
Wainwright Instruments	WHK3.0/18G-10EF / High Pass Filter	06/24/2016	Annual	8
Wainwright Instruments	WHFX7.0/18G-8SS / High Pass Filter	05/13/2016	Annual	29
Wainwright Instruments	WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter	07/06/2016	Annual	2
Wainwright Instruments	WRCJV5100/5850-40/50-8EEK / Band Reject Filter	01/24/2017	Annual	2
Agilent	8493C-10 / Attenuator(10 dB)	08/11/2016	Annual	76649
CERNEX	CBLU1183540 / Power Amplifier	07/15/2016	Annual	22964
CERNEX	CBL06185030 / Power Amplifier	07/15/2016	Annual	22965
CERNEX	CBL18265035 / Power Amplifier	01/23/2017	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	07/11/2016	Annual	25956