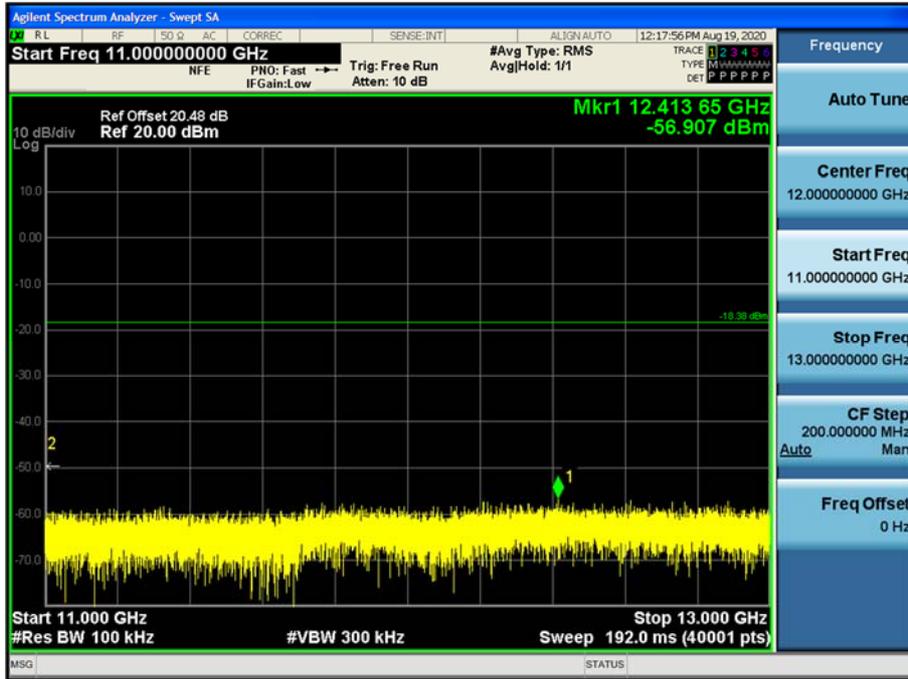




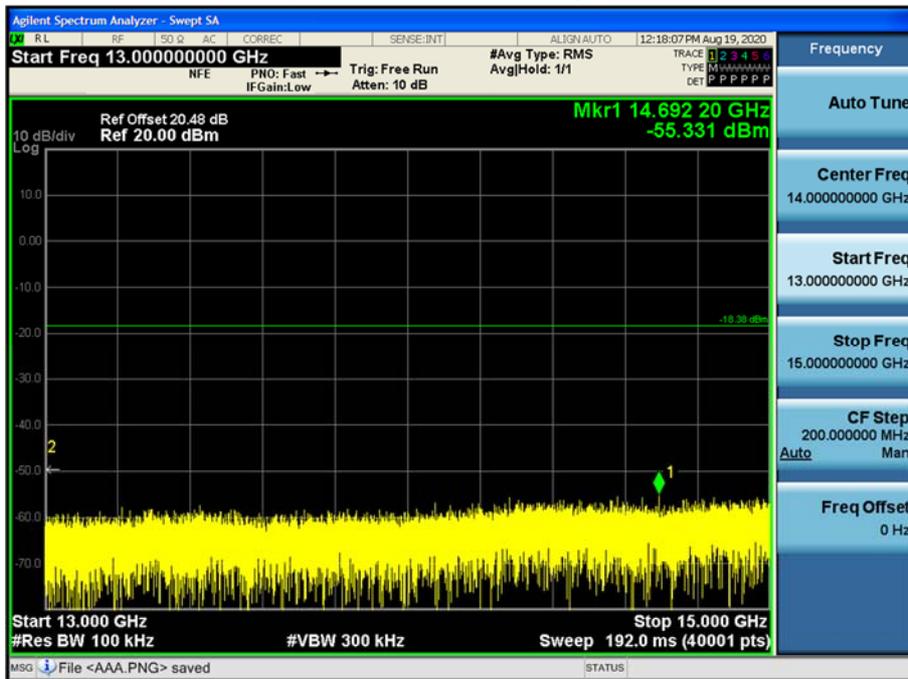
11 GHz ~ 13 GHz

Conducted Spurious Emission (802.11g_Ch.11_36 Mbps)



13 GHz ~ 15 GHz

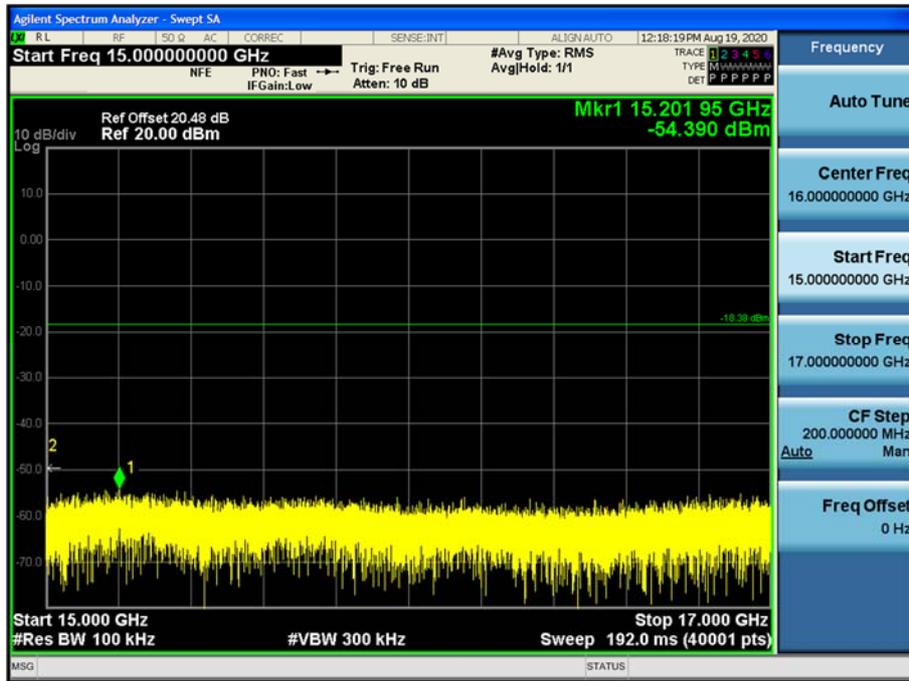
Conducted Spurious Emission (802.11g_Ch.11_36 Mbps)





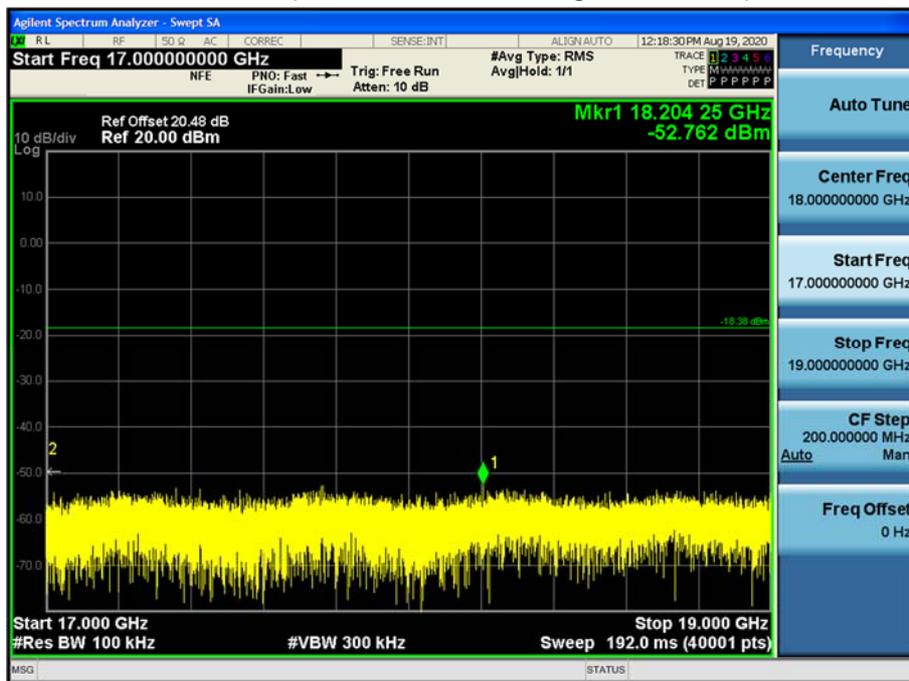
15 GHz ~ 17 GHz

Conducted Spurious Emission (802.11g_Ch.11_36 Mbps)



17 GHz ~ 19 GHz

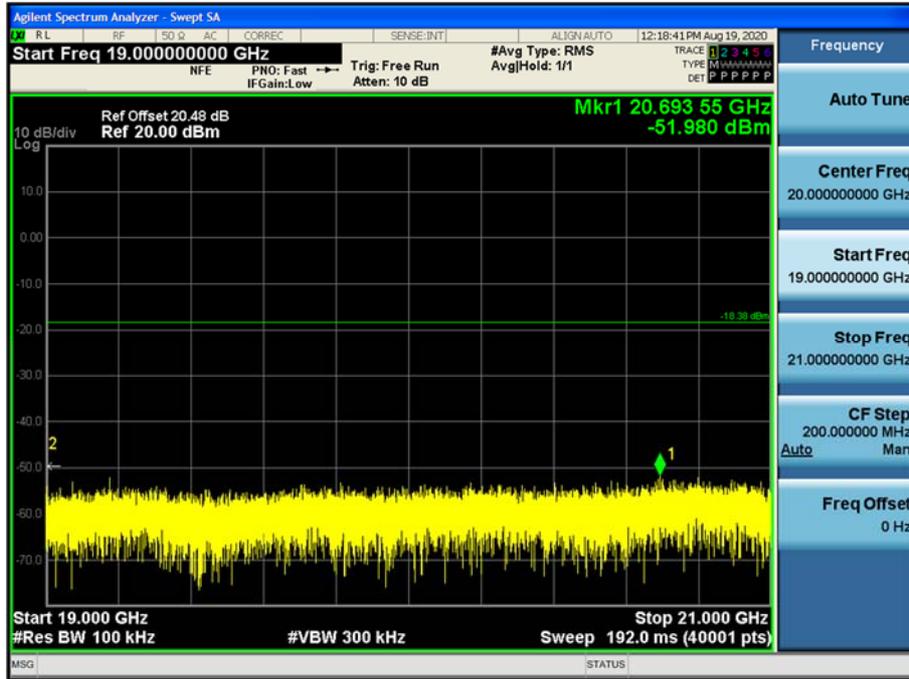
Conducted Spurious Emission (802.11g_Ch.11_36 Mbps)





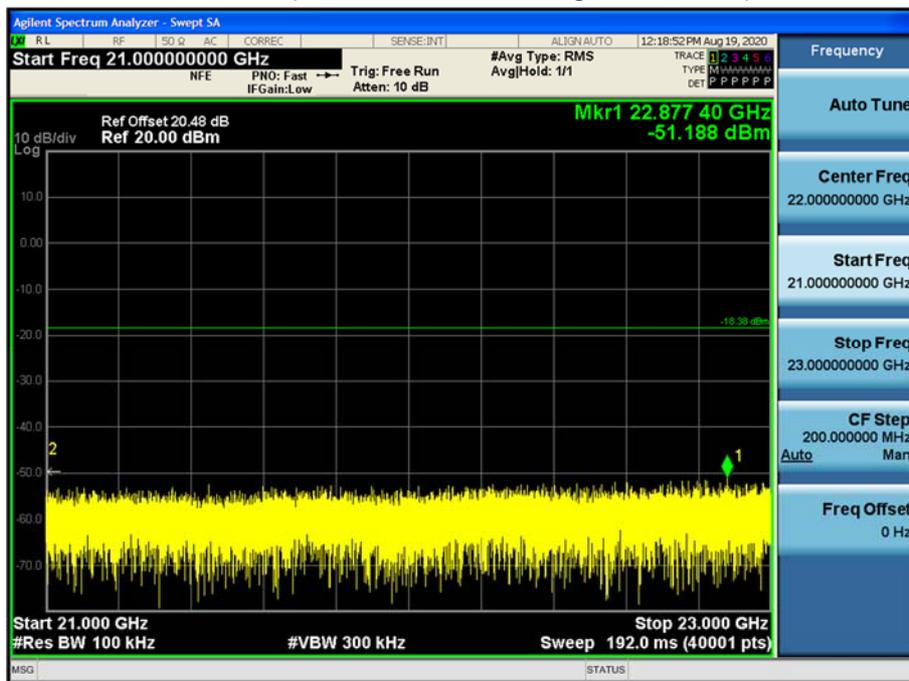
19 GHz ~ 21 GHz

Conducted Spurious Emission (802.11g_Ch.11_36 Mbps)



21 GHz ~ 23 GHz

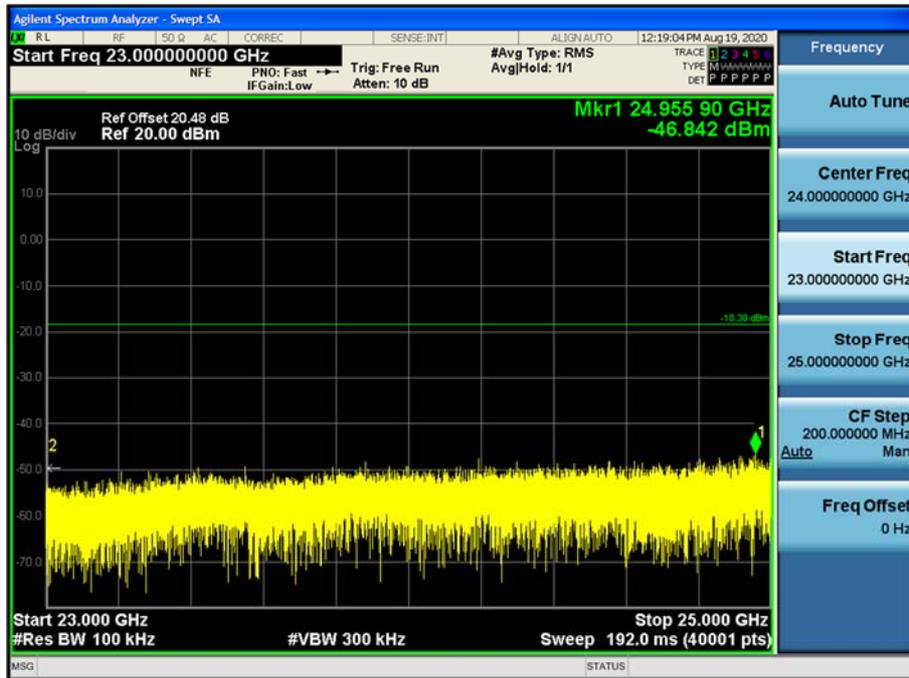
Conducted Spurious Emission (802.11g_Ch.11_36 Mbps)





23 GHz ~ 25 GHz

Conducted Spurious Emission (802.11g_Ch.11_36 Mbps)



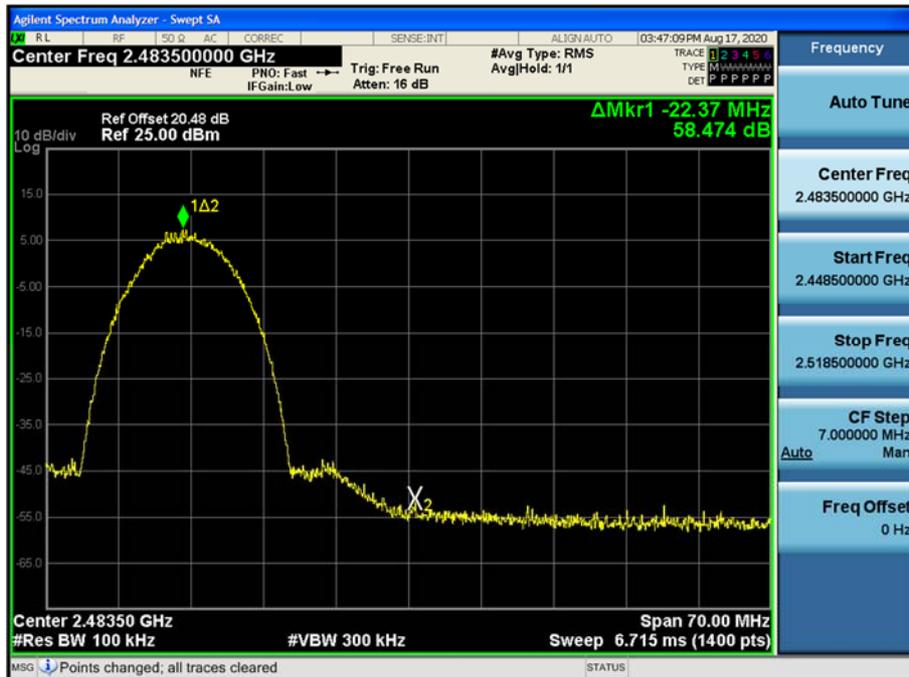
[ANT2]

▣ Test Plots(BandEdge)

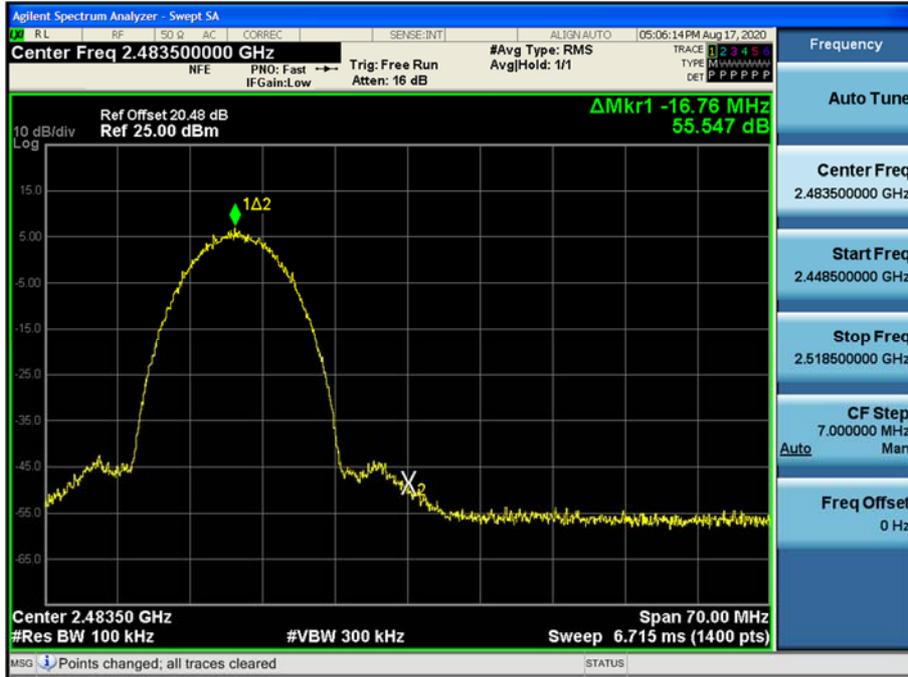
Band Edge (802.11b-CH1)



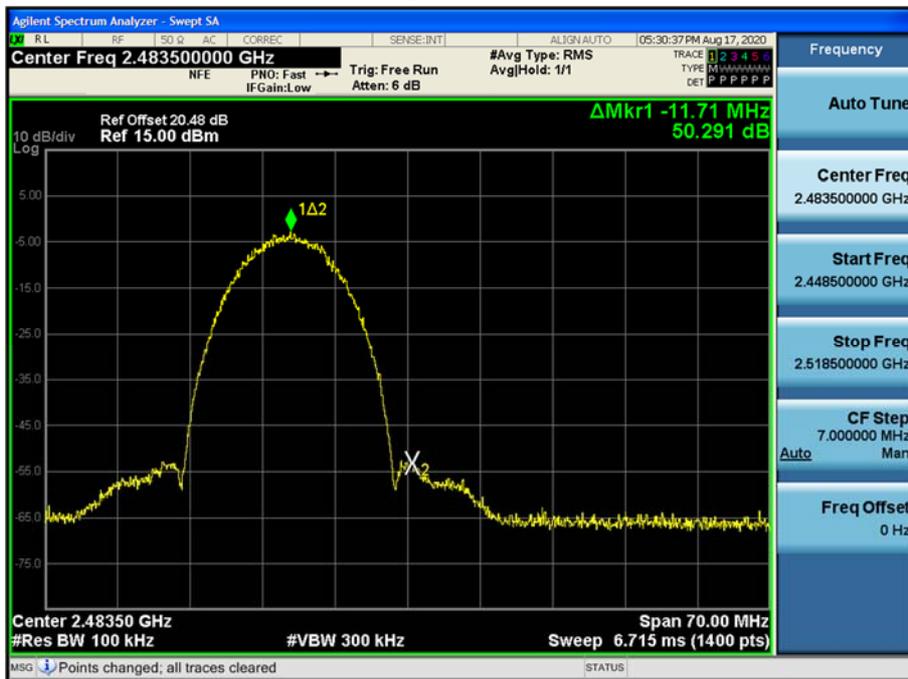
Band Edge (802.11b-CH11)



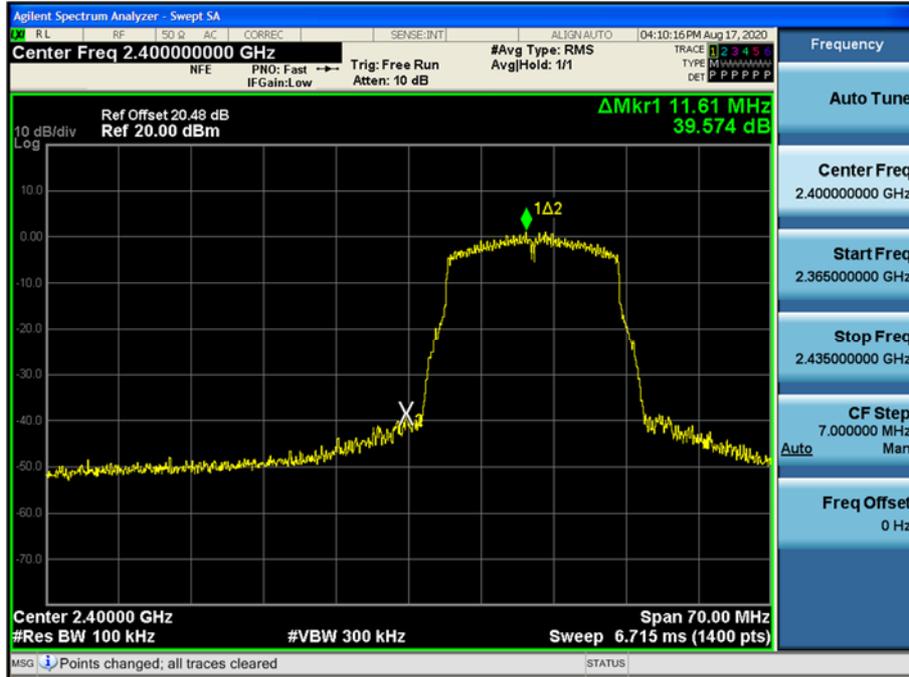
Band Edge (802.11b-CH12)



Band Edge (802.11b-CH13)



Band Edge (802.11g-CH1)

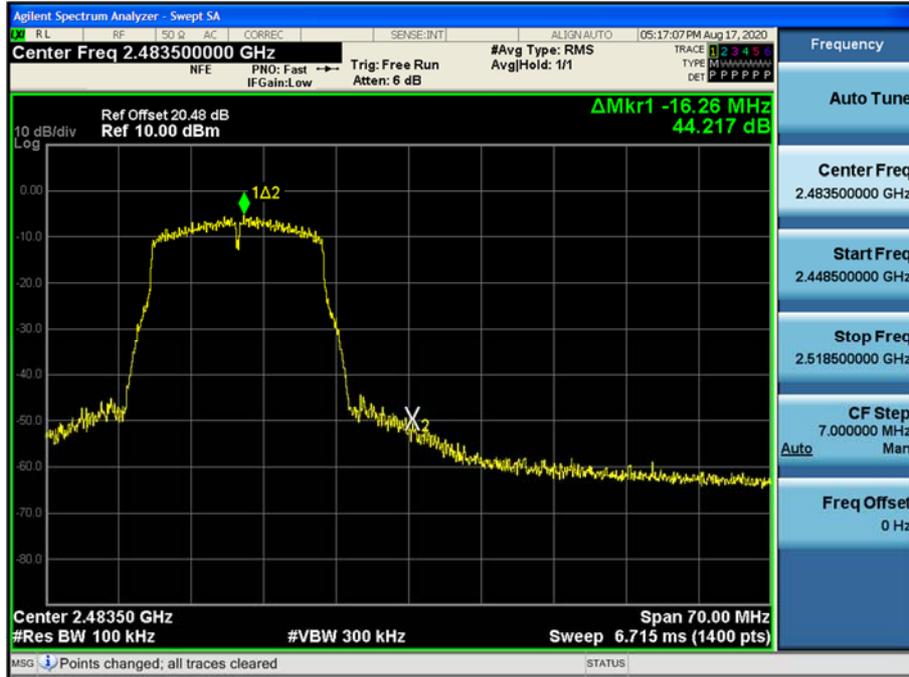


Band Edge (802.11g-CH11)

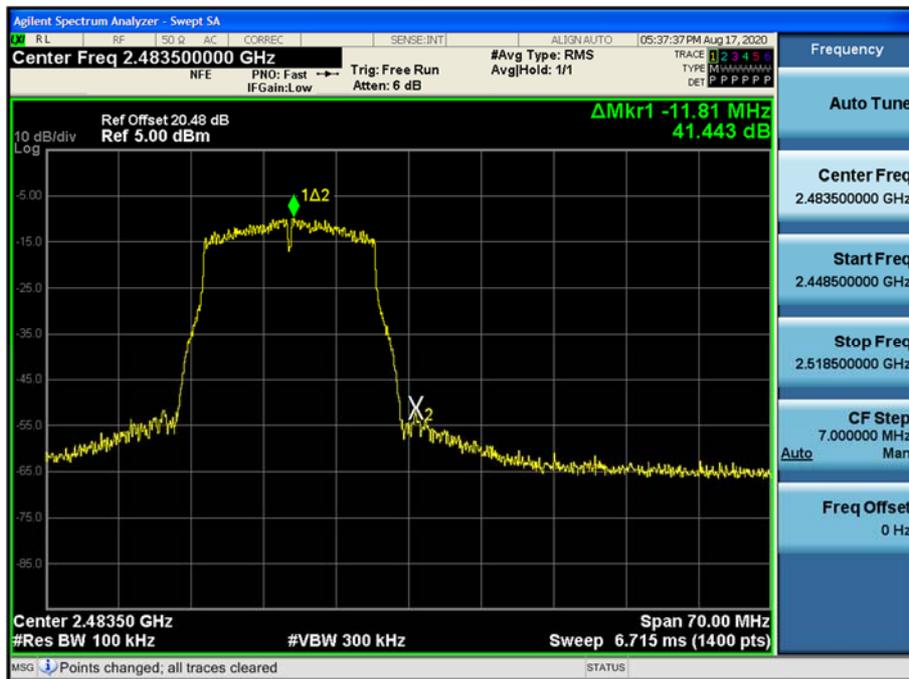




Band Edge (802.11g-CH12)



Band Edge (802.11g-CH13)



Band Edge (802.11n_HT20 -CH1)



Band Edge (802.11n_HT20 -CH11)



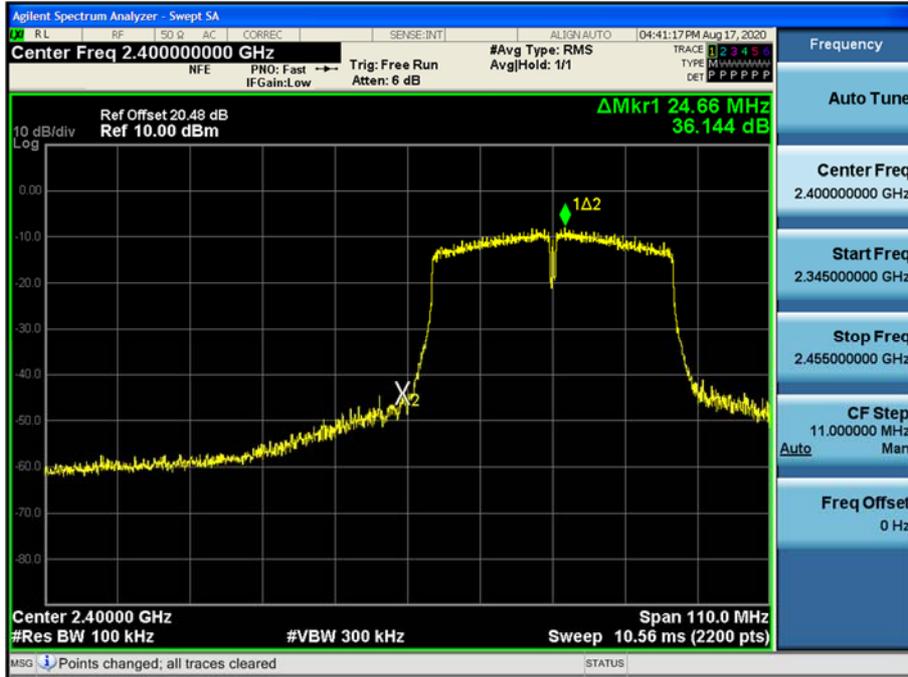
Band Edge (802.11n_HT20 -CH12)



Band Edge (802.11n_HT20 -CH13)



Band Edge (802.11n_HT40 -CH3)



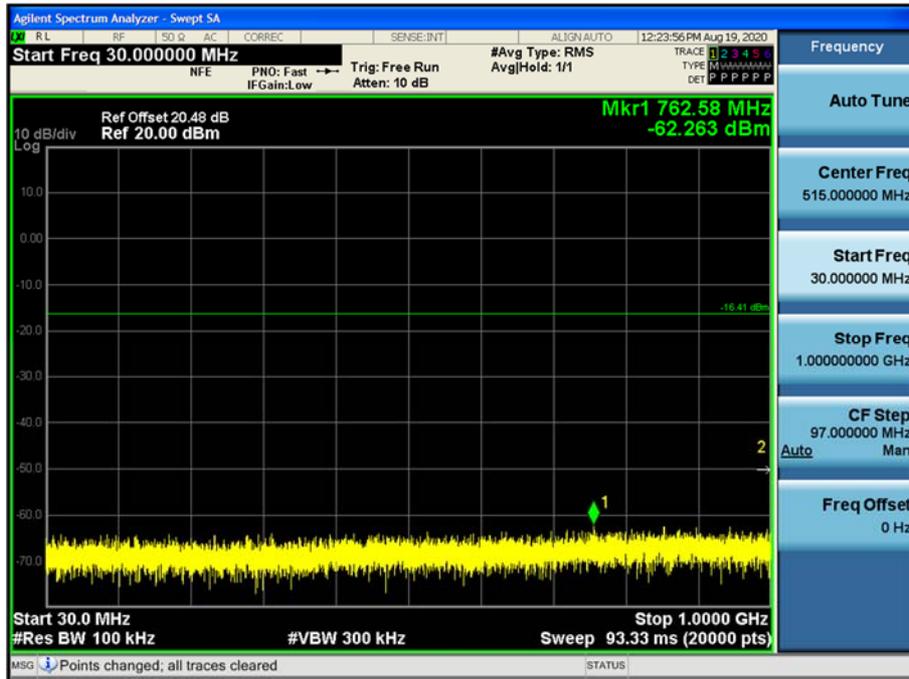
Band Edge (802.11n_HT40 -CH9)



☐ Test Plots(Conducted Spurious Emission)

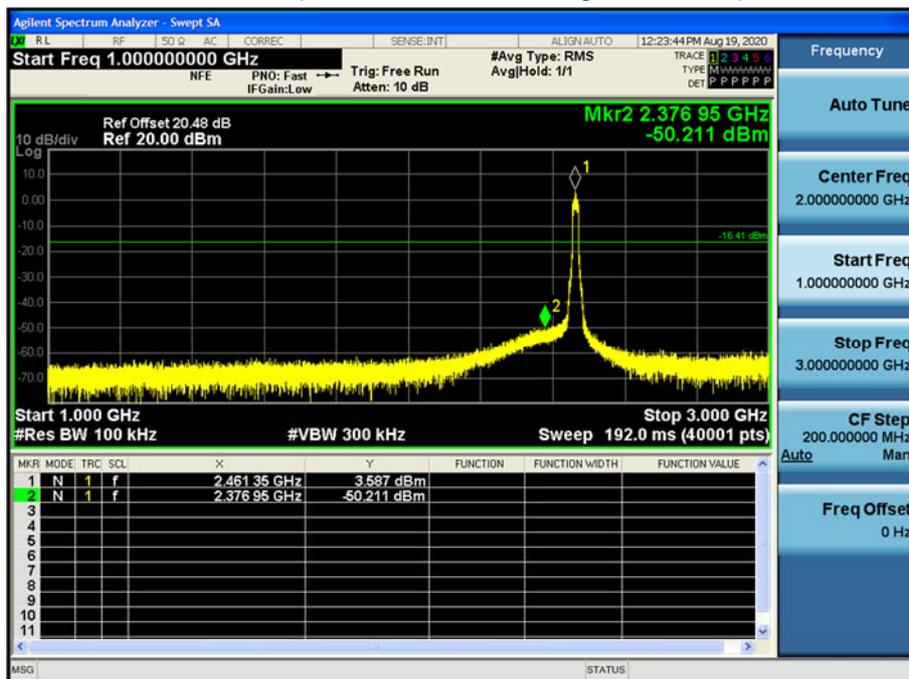
30 MHz ~ 1 GHz

Conducted Spurious Emission (802.11g_Ch.11_6 Mbps)



1 GHz ~ 3 GHz

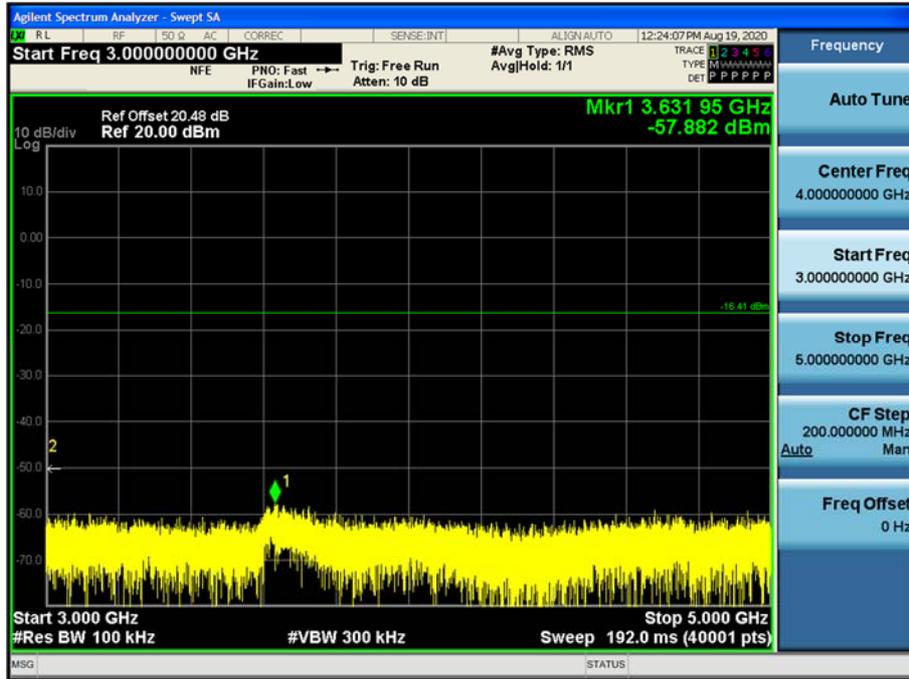
Conducted Spurious Emission (802.11g_Ch.11_6 Mbps)





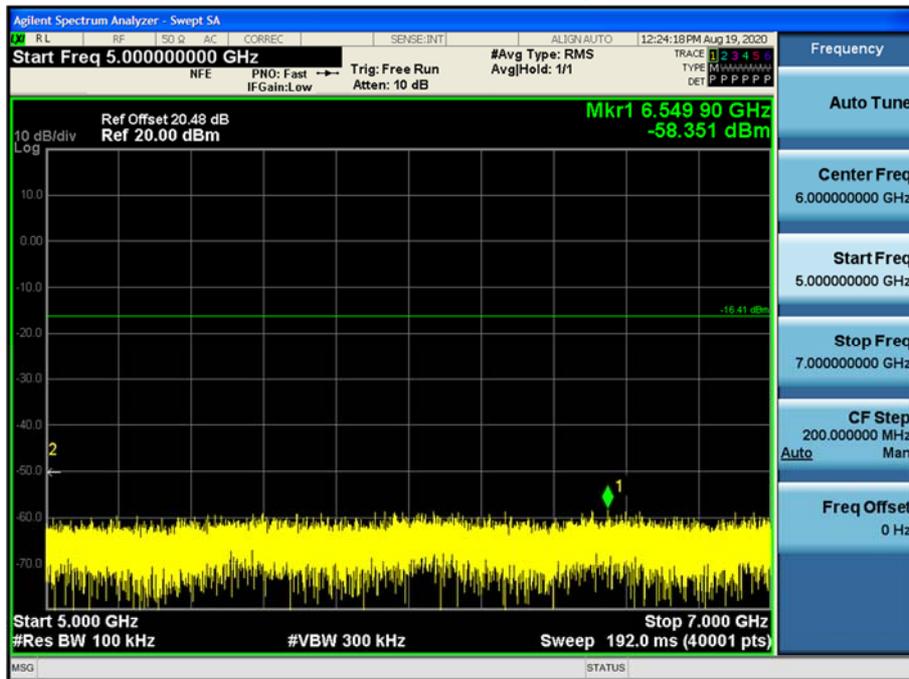
3 GHz ~ 5 GHz

Conducted Spurious Emission (802.11g_Ch.11_6 Mbps)



5 GHz ~ 7 GHz

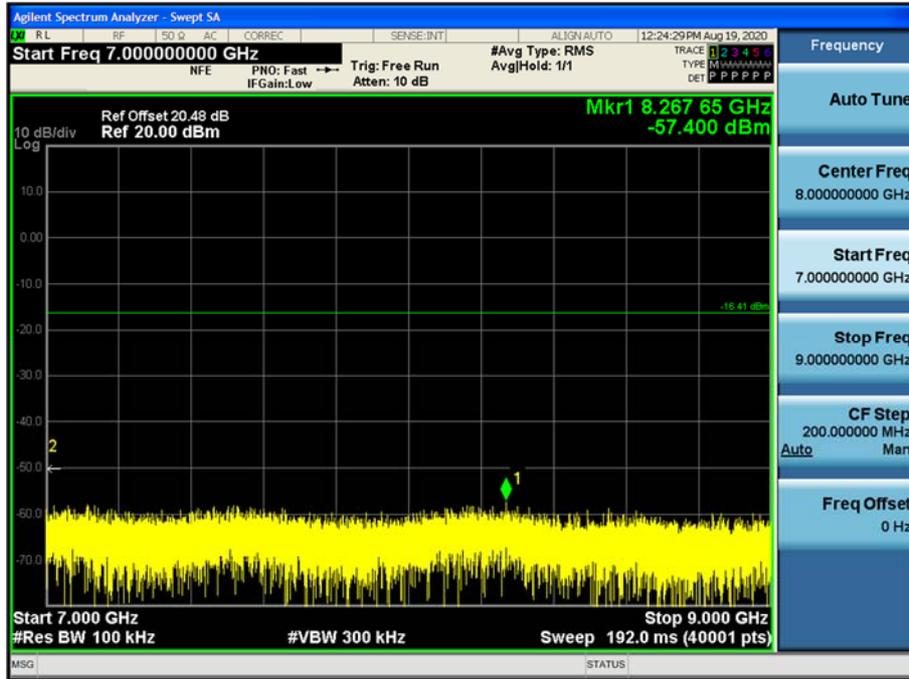
Conducted Spurious Emission (802.11g_Ch.11_6 Mbps)





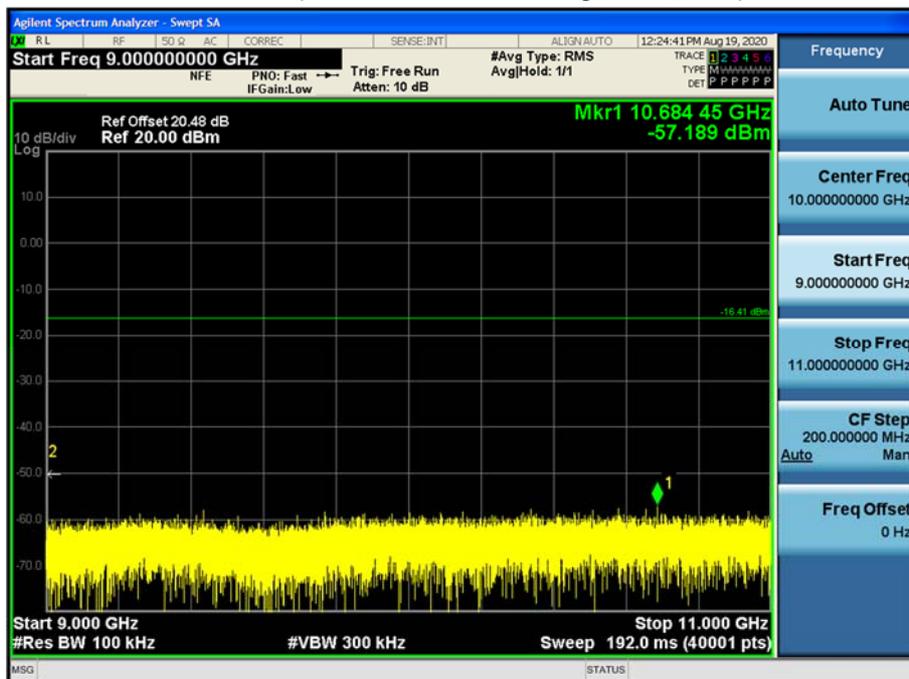
7 GHz ~ 9 GHz

Conducted Spurious Emission (802.11g_Ch.11_6 Mbps)



9 GHz ~ 11 GHz

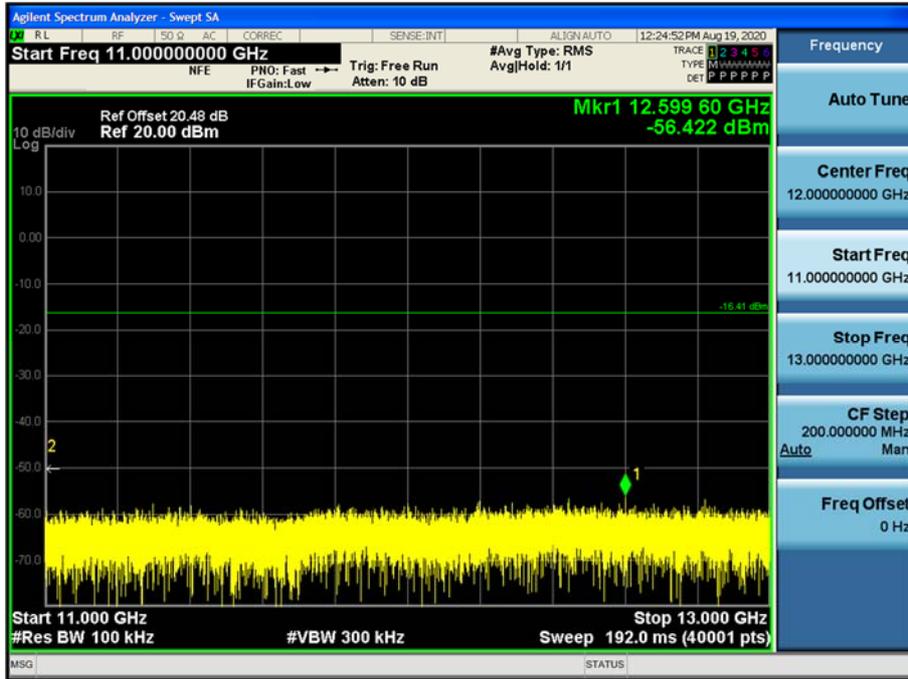
Conducted Spurious Emission (802.11g_Ch.11_6 Mbps)





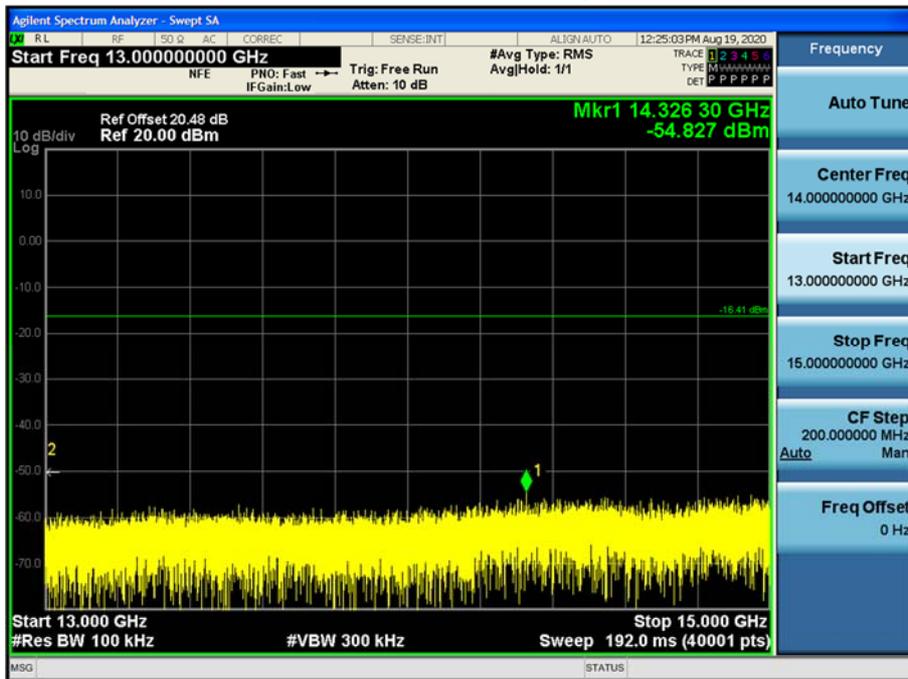
11 GHz ~ 13 GHz

Conducted Spurious Emission (802.11g_Ch.11_6 Mbps)



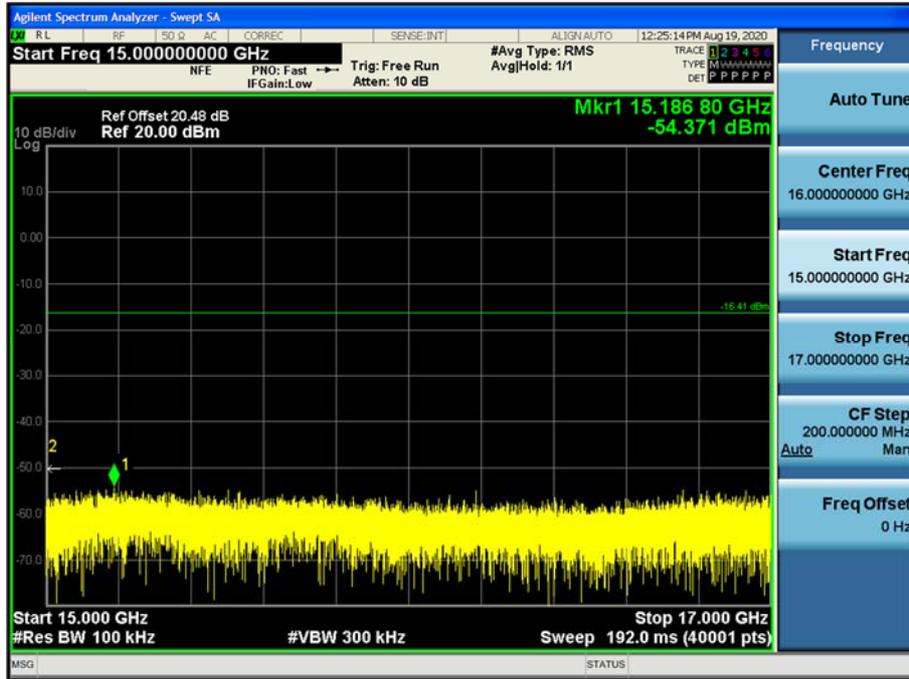
13 GHz ~ 15 GHz

Conducted Spurious Emission (802.11g_Ch.11_6 Mbps)



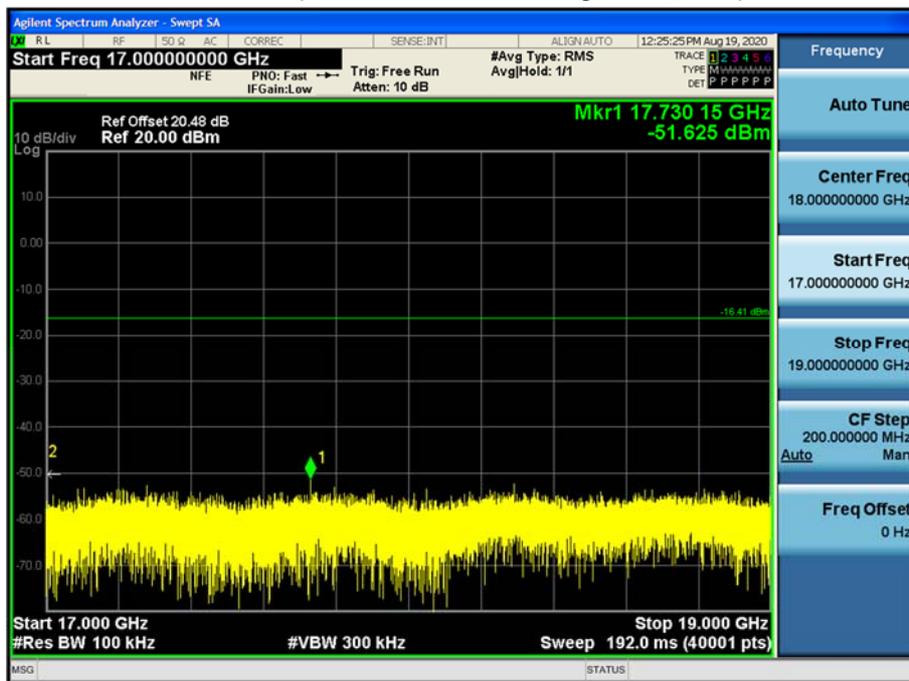
15 GHz ~ 17 GHz

Conducted Spurious Emission (802.11g_Ch.11_6 Mbps)



17 GHz ~ 19 GHz

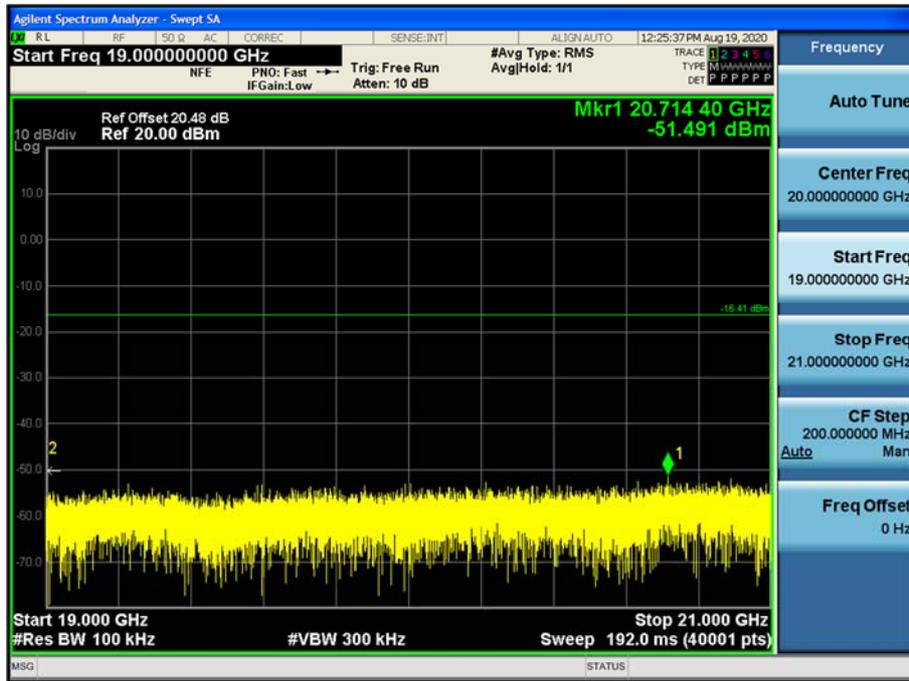
Conducted Spurious Emission (802.11g_Ch.11_6 Mbps)





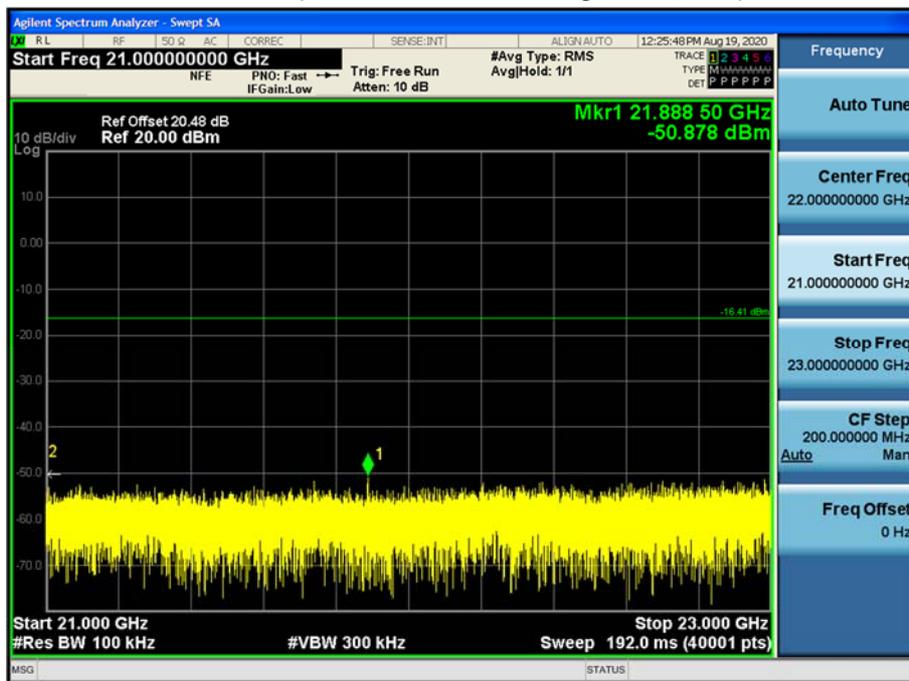
19 GHz ~ 21 GHz

Conducted Spurious Emission (802.11g_Ch.11_6 Mbps)



21 GHz ~ 23 GHz

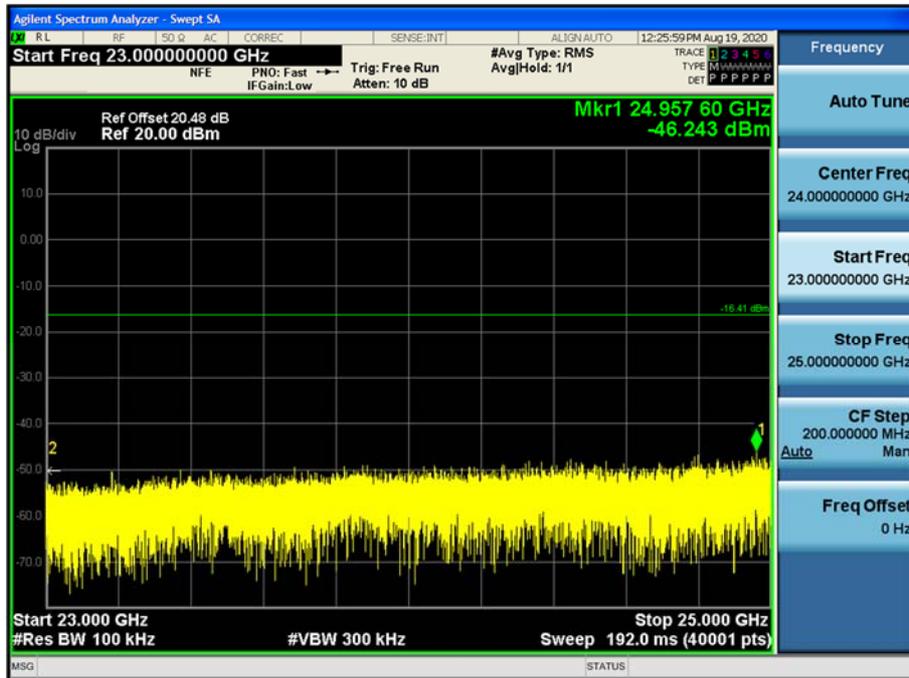
Conducted Spurious Emission (802.11g_Ch.11_6 Mbps)





23 GHz ~ 25 GHz

Conducted Spurious Emission (802.11g_Ch.11_6 Mbps)



9.6 RADIATED SPURIOUS EMISSIONS

9.6.1 Basic Cable

Frequency Range : 9 kHz – 30MHz

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

Note:

1. The reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
2. Distance extrapolation factor = $40\log(\text{specific distance} / \text{test distance})$ (dB)
3. Limit line = specific Limits (dBuV) + Distance extrapolation factor

Frequency Range : Below 1 GHz

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

Note:

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.



[Only MIMO]

Frequency Range : Above 1 GHz

Operation Mode: 802.11b
 Transfer Rate: 1 Mbps
 Operating Frequency 2412
 Channel No. 01 Ch

Frequency [MHz]	Reading dBuV	A.F+C.L-AMP+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4824	44.49	3.34	V	47.83	73.98	26.15	PK
4824	36.02	3.34	V	39.36	53.98	14.62	AV
7236	41.43	8.92	V	50.35	73.98	23.63	PK
7236	30.25	8.92	V	39.17	53.98	14.81	AV
4824	45.69	3.34	H	49.03	73.98	24.95	PK
4824	39.14	3.34	H	42.48	53.98	11.50	AV
7236	41.86	8.92	H	50.78	73.98	23.20	PK
7236	30.25	8.92	H	39.17	53.98	14.81	AV

Operation Mode: 802.11b
 Transfer Rate: 1 Mbps
 Operating Frequency 2437
 Channel No. 06 Ch

Frequency [MHz]	Reading dBuV	A.F+C.L-AMP+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4874	44.43	3.36	V	47.79	73.98	26.19	PK
4874	36.68	3.36	V	40.04	53.98	13.94	AV
7311	40.18	9.68	V	49.86	73.98	24.12	PK
7311	30.01	9.68	V	39.69	53.98	14.29	AV
4874	46.93	3.36	H	50.29	73.98	23.69	PK
4874	41.11	3.36	H	44.47	53.98	9.51	AV
7311	41.07	9.68	H	50.75	73.98	23.23	PK
7311	30.36	9.68	H	40.04	53.98	13.94	AV



Operation Mode: 802.11b
 Transfer Rate: 1 Mbps
 Operating Frequency: 2462
 Channel No. 11 Ch

Frequency [MHz]	Reading dBuV	A.F+C.L-AMP+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4924	46.78	3.03	V	49.81	73.98	24.17	PK
4924	41.30	3.03	V	44.33	53.98	9.65	AV
7386	41.99	10.44	V	52.43	73.98	21.55	PK
7386	30.58	10.44	V	41.02	53.98	12.96	AV
4924	47.80	3.03	H	50.83	73.98	23.15	PK
4924	42.76	3.03	H	45.79	53.98	8.19	AV
7386	42.01	10.44	H	52.45	73.98	21.53	PK
7386	31.00	10.44	H	41.44	53.98	12.54	AV

Note:

Channel 12 and 13 are less powerful than channel 11 so the test for high channel was performed at channel 11.



Operation Mode: 802.11g
 Transfer Rate: 6 Mbps
 Operating Frequency: 2412
 Channel No. 01 Ch

Frequency [MHz]	Reading dBuV	Duty Cycle Factor	A.F+C.L-AMP+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4824	43.65	0.00	3.34	V	46.99	73.98	26.99	PK
4824	31.37	0.00	3.34	V	34.71	53.98	19.27	AV
7236	39.78	0.00	8.92	V	48.70	73.98	25.28	PK
7236	28.41	0.00	8.92	V	37.33	53.98	16.65	AV
4824	44.43	0.00	3.34	H	47.77	73.98	26.21	PK
4824	32.78	0.00	3.34	H	36.12	53.98	17.86	AV
7236	40.53	0.00	8.92	H	49.45	73.98	24.53	PK
7236	28.60	0.00	8.92	H	37.52	53.98	16.46	AV

Operation Mode: 802.11g
 Transfer Rate: 6 Mbps
 Operating Frequency: 2437
 Channel No. 06 Ch

Frequency [MHz]	Reading dBuV	Duty Cycle Factor	A.F+C.L-AMP+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4874	42.33	0.00	3.36	V	45.69	73.98	28.29	PK
4874	30.39	0.00	3.36	V	33.75	53.98	20.23	AV
7311	39.63	0.00	9.68	V	49.31	73.98	24.67	PK
7311	28.69	0.00	9.68	V	38.37	53.98	15.61	AV
4874	43.84	0.00	3.36	H	47.20	73.98	26.78	PK
4874	32.15	0.00	3.36	H	35.51	53.98	18.47	AV
7311	40.78	0.00	9.68	H	50.46	73.98	23.52	PK
7311	28.95	0.00	9.68	H	38.63	53.98	15.35	AV



Operation Mode:	802.11g
Transfer Rate:	6 Mbps
Operating Frequency	2462
Channel No.	11 Ch

Frequency [MHz]	Reading dBuV	Duty Cycle Factor	A.F+C.L-AMP+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4924	42.88	0.00	3.03	V	45.91	73.98	28.07	PK
4924	31.14	0.00	3.03	V	34.17	53.98	19.81	AV
7386	40.69	0.00	10.44	V	51.13	73.98	22.85	PK
7386	28.47	0.00	10.44	V	38.91	53.98	15.07	AV
4924	45.51	0.00	3.03	H	48.54	73.98	25.44	PK
4924	33.64	0.00	3.03	H	36.67	53.98	17.31	AV
7386	41.01	0.00	10.44	H	51.45	73.98	22.53	PK
7386	29.20	0.00	10.44	H	39.64	53.98	14.34	AV

Note:

Channel 12 and 13 are less powerful than channel 11 so the test for high channel was performed at channel 11.



Operation Mode: 802.11n (HT20)
 Transfer MCS Index: 0
 Operating Frequency: 2412
 Channel No.: 01 Ch

Frequency [MHz]	Reading dBuV	Duty Cycle Factor	A.F+C.L-AMP+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4824	44.08	0.00	3.34	V	47.42	73.98	26.56	PK
4824	31.39	0.00	3.34	V	34.73	53.98	19.25	AV
7236	40.11	0.00	8.92	V	49.03	73.98	24.95	PK
7236	28.13	0.00	8.92	V	37.05	53.98	16.93	AV
4824	43.99	0.00	3.34	H	47.33	73.98	26.65	PK
4824	32.03	0.00	3.34	H	35.37	53.98	18.61	AV
7236	40.23	0.00	8.92	H	49.15	73.98	24.83	PK
7236	28.48	0.00	8.92	H	37.40	53.98	16.58	AV

Operation Mode: 802.11n (HT20)
 Transfer MCS Index: 0
 Operating Frequency: 2437
 Channel No.: 06 Ch

Frequency [MHz]	Reading dBuV	Duty Cycle Factor	A.F+C.L-AMP+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4874	41.91	0.00	3.36	V	45.27	73.98	28.71	PK
4874	29.97	0.00	3.36	V	33.33	53.98	20.65	AV
7311	40.33	0.00	9.68	V	50.01	73.98	23.97	PK
7311	28.17	0.00	9.68	V	37.85	53.98	16.13	AV
4874	43.81	0.00	3.36	H	47.17	73.98	26.81	PK
4874	31.80	0.00	3.36	H	35.16	53.98	18.82	AV
7311	41.00	0.00	9.68	H	50.68	73.98	23.30	PK
7311	28.87	0.00	9.68	H	38.55	53.98	15.43	AV



Operation Mode:	802.11n (HT20)
Transfer MCS Index:	0
Operating Frequency	2462
Channel No.	11 Ch

Frequency [MHz]	Reading dBuV	Duty Cycle Factor	A.F+C.L-AMP+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4924	42.46	0.00	3.03	V	45.49	73.98	28.49	PK
4924	30.71	0.00	3.03	V	33.74	53.98	20.24	AV
7386	40.60	0.00	10.44	V	51.04	73.98	22.94	PK
7386	28.23	0.00	10.44	V	38.67	53.98	15.31	AV
4924	44.30	0.00	3.03	H	47.33	73.98	26.65	PK
4924	32.26	0.00	3.03	H	35.29	53.98	18.69	AV
7386	40.70	0.00	10.44	H	51.14	73.98	22.84	PK
7386	28.58	0.00	10.44	H	39.02	53.98	14.96	AV

Note:

Channel 12 and 13 are less powerful than channel 11 so the test for high channel was performed at channel 11.



Operation Mode: 802.11n (HT40)
 Transfer MCS Index: 0
 Operating Frequency: 2422
 Channel No.: 03 Ch

Frequency [MHz]	Reading dBuV	Duty Cycle Factor	A.F+C.L-AMP+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4844	42.69	0.00	3.76	V	46.45	73.98	27.53	PK
4844	30.38	0.00	3.76	V	34.14	53.98	19.84	AV
7266	40.41	0.00	9.22	V	49.63	73.98	24.35	PK
7266	28.14	0.00	9.22	V	37.36	53.98	16.62	AV
4844	43.27	0.00	3.76	H	47.03	73.98	26.95	PK
4844	30.80	0.00	3.76	H	34.56	53.98	19.42	AV
7266	40.52	0.00	9.22	H	49.74	73.98	24.24	PK
7266	28.81	0.00	9.22	H	38.03	53.98	15.95	AV

Operation Mode: 802.11n (HT40)
 Transfer MCS Index: 0
 Operating Frequency: 2437
 Channel No.: 06 Ch

Frequency [MHz]	Reading dBuV	Duty Cycle Factor	A.F+C.L-AMP+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4874	42.10	0.00	3.36	V	45.46	73.98	28.52	PK
4874	30.45	0.00	3.36	V	33.81	53.98	20.17	AV
7311	40.29	0.00	9.68	V	49.97	73.98	24.01	PK
7311	28.30	0.00	9.68	V	37.98	53.98	16.00	AV
4874	42.60	0.00	3.36	H	45.96	73.98	28.02	PK
4874	30.90	0.00	3.36	H	34.26	53.98	19.72	AV
7311	40.46	0.00	9.68	H	50.14	73.98	23.84	PK
7311	28.63	0.00	9.68	H	38.31	53.98	15.67	AV

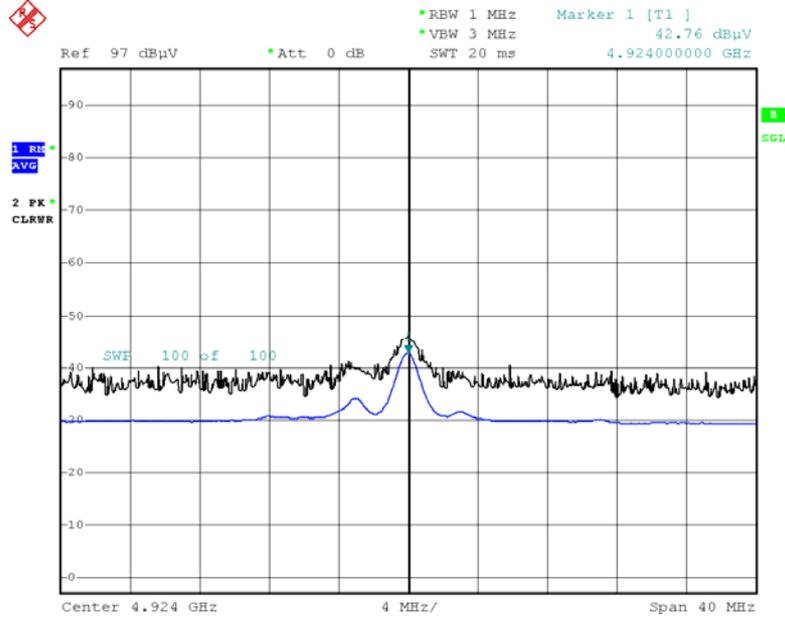


Operation Mode:	802.11n (HT40)
Transfer MCS Index:	0
Operating Frequency	2452
Channel No.	09 Ch

Frequency [MHz]	Reading dBuV	Duty Cycle Factor	A.F+C.L-AMP+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4904	41.98	0.00	3.13	V	45.11	73.98	28.87	PK
4904	30.70	0.00	3.13	V	33.83	53.98	20.15	AV
7356	40.51	0.00	10.52	V	51.03	73.98	22.95	PK
7356	28.11	0.00	10.52	V	38.63	53.98	15.35	AV
4904	42.48	0.00	3.13	H	45.61	73.98	28.37	PK
4904	30.89	0.00	3.13	H	34.02	53.98	19.96	AV
7356	40.70	0.00	10.52	H	51.22	73.98	22.76	PK
7356	28.38	0.00	10.52	H	38.90	53.98	15.08	AV

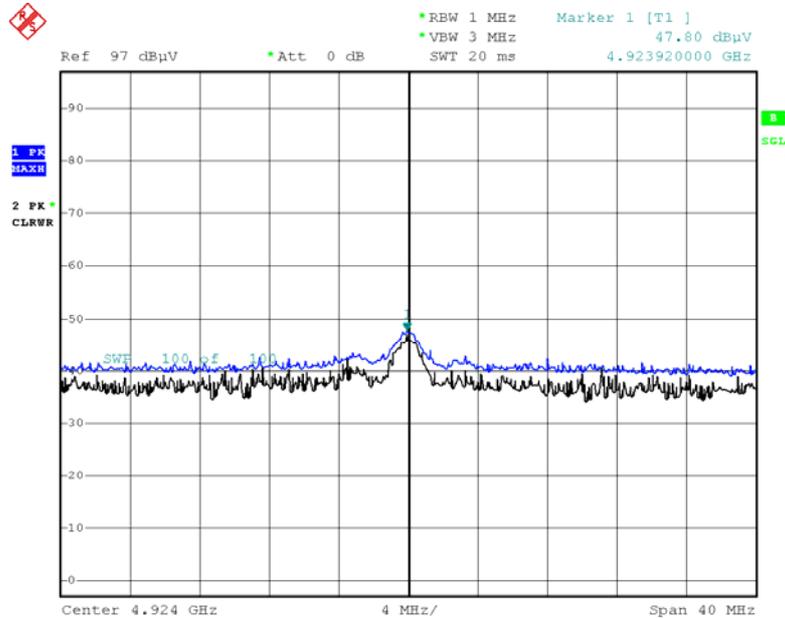
▣ Test Plots (Worst case : H)

Radiated Spurious Emissions plot – Average Reading (802.11b, Ch.11 2nd Harmonic)



Date: 14.AUG.2020 06:22:05

Radiated Spurious Emissions plot – Peak Reading (802.11b, Ch.11 2nd Harmonic)



Date: 14.AUG.2020 06:22:21

Note:

Plot of worst case are only reported.

9.6.2 FFC Cable

Frequency Range : 9 kHz – 30MHz

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

Note:

1. The reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
2. Distance extrapolation factor = $40\log(\text{specific distance} / \text{test distance})$ (dB)
3. Limit line = specific Limits (dBuV) + Distance extrapolation factor

Frequency Range : Below 1 GHz

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

Note:

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.



[Only MIMO]

Frequency Range : Above 1 GHz

Operation Mode:	802.11b
Transfer Rate:	1 Mbps
Operating Frequency	2462
Channel No.	11 Ch

Frequency [MHz]	Reading dBuV	A.F+C.L-AMP+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4924	46.04	3.03	V	49.07	73.98	24.91	PK
4924	38.78	3.03	V	41.81	53.98	12.17	AV
7386	40.57	10.44	V	51.01	73.98	22.97	PK
7386	29.20	10.44	V	39.64	53.98	14.34	AV
4924	46.46	3.03	H	49.49	73.98	24.49	PK
4924	39.88	3.03	H	42.91	53.98	11.07	AV
7386	40.23	10.44	H	50.67	73.98	23.31	PK
7386	29.14	10.44	H	39.58	53.98	14.40	AV

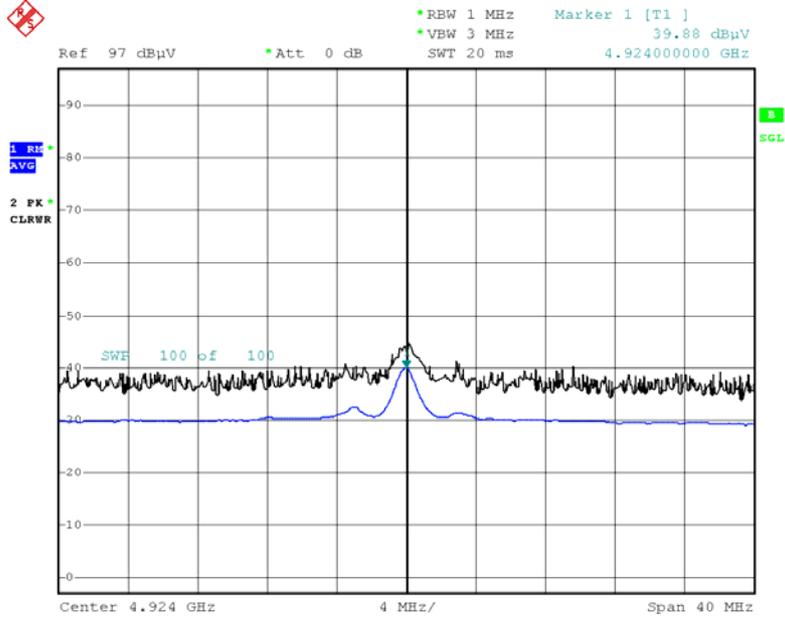
Note:

1. The worst case of the basic cable only was tested.



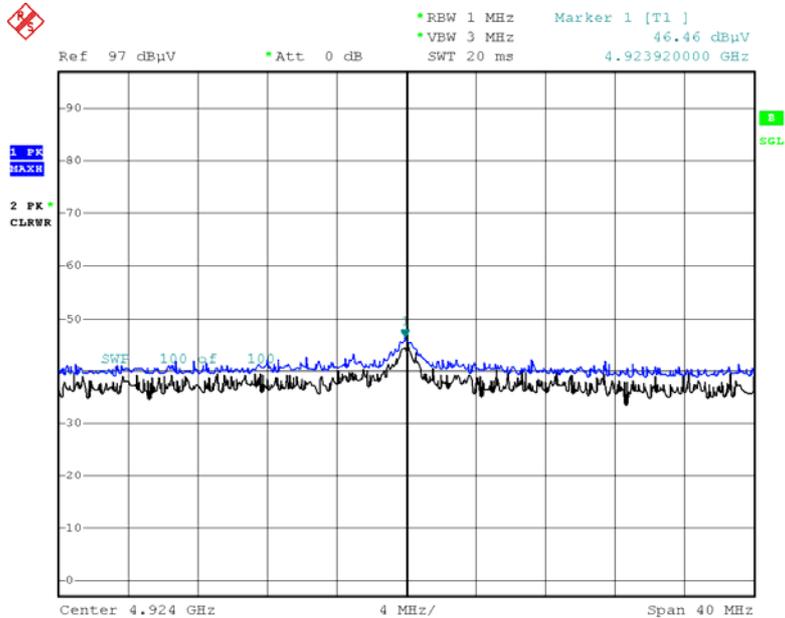
▣ Test Plots (Worst case : H)

Radiated Spurious Emissions plot – Average Reading (802.11b, Ch.11 2nd Harmonic)



Date: 1.SEP.2020 14:14:52

Radiated Spurious Emissions plot – Peak Reading (802.11b, Ch.11 2nd Harmonic)



Date: 1.SEP.2020 14:15:01

Note:

Plot of worst case are only reported.

9.7 RADIATED RESTRICTED BAND EDGES

9.7.1 Basic Cable

Operation Mode:	802.11b
Transfer Rate:	1 Mbps
Operating Frequency	2412 MHz, 2462 MHz
Channel No.	01 Ch, 11 Ch

Frequency [MHz]	Reading dBuV	※ A.F+C.L +D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
2390.0	23.49	35.93	H	59.42	73.98	14.56	PK
2390.0	9.45	35.93	H	45.38	53.98	8.60	AV
2390.0	23.27	35.93	V	59.20	73.98	14.78	PK
2390.0	9.43	35.93	V	45.36	53.98	8.62	AV
2483.5	22.99	36.44	H	59.43	73.98	14.55	PK
2483.5	10.46	36.44	H	46.90	53.98	7.08	AV
2483.5	22.73	36.44	V	59.17	73.98	14.81	PK
2483.5	10.41	36.44	V	46.85	53.98	7.13	AV

Operation Mode:	802.11b
Transfer Rate:	1 Mbps
Operating Frequency	2467 MHz
Channel No.	12 Ch

Frequency [MHz]	Reading dBuV	※ A.F+C.L +D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
2483.5	23.10	36.44	H	59.54	73.98	14.44	PK
2483.5	10.89	36.44	H	47.33	53.98	6.65	AV
2483.5	22.99	36.44	V	59.43	73.98	14.55	PK
2483.5	10.87	36.44	V	47.31	53.98	6.67	AV

Operation Mode: 802.11b
 Transfer Rate: 1 Mbps
 Operating Frequency: 2472 MHz
 Channel No.: 13 Ch

Frequency [MHz]	Reading dBuV	※ A.F+C.L +D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
2483.5	23.57	36.44	H	60.01	73.98	13.97	PK
2483.5	13.61	36.44	H	50.05	53.98	3.93	AV
2483.5	23.49	36.44	V	59.93	73.98	14.05	PK
2483.5	13.29	36.44	V	49.73	53.98	4.25	AV

Operation Mode: 802.11g
 Transfer Rate: 6 Mbps
 Operating Frequency: 2412 MHz, 2462 MHz
 Channel No.: 01 Ch, 11 Ch

Frequency [MHz]	Reading dBuV	Duty Cycle Factor	※ A.F+C.L+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
2390.0	33.57	0.00	35.93	H	69.50	73.98	4.48	PK
2390.0	14.80	0.00	35.93	H	50.73	53.98	3.25	AV
2390.0	33.18	0.00	35.93	V	69.11	73.98	4.87	PK
2390.0	14.63	0.00	35.93	V	50.56	53.98	3.42	AV
2483.5	28.38	0.00	36.44	H	64.82	73.98	9.16	PK
2483.5	14.12	0.00	36.44	H	50.56	53.98	3.42	AV
2483.5	28.15	0.00	36.44	V	64.59	73.98	9.39	PK
2483.5	14.10	0.00	36.44	V	50.54	53.98	3.44	AV



Operation Mode: 802.11g
 Transfer Rate: 6 Mbps
 Operating Frequency: 2467 MHz
 Channel No.: 12 Ch

Frequency [MHz]	Reading dBuV	Duty Cycle Factor	※ A.F+C.L+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
2483.5	28.32	0.00	36.44	H	64.76	73.98	9.22	PK
2483.5	14.51	0.00	36.44	H	50.95	53.98	3.03	AV
2483.5	28.20	0.00	36.44	V	64.64	73.98	9.34	PK
2483.5	14.46	0.00	36.44	V	50.90	53.98	3.08	AV

Operation Mode: 802.11g
 Transfer Rate: 6 Mbps
 Operating Frequency: 2472 MHz
 Channel No.: 13 Ch

Frequency [MHz]	Reading dBuV	Duty Cycle Factor	※ A.F+C.L+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
2483.5	27.03	0.00	36.44	H	63.47	73.98	10.51	PK
2483.5	13.72	0.00	36.44	H	50.16	53.98	3.82	AV
2483.5	27.00	0.00	36.44	V	63.44	73.98	10.54	PK
2483.5	13.69	0.00	36.44	V	50.13	53.98	3.85	AV



Operation Mode: 802.11n (HT20)
 Transfer MCS Index: 0
 Operating Frequency: 2412 MHz, 2462 MHz
 Channel No.: 01 Ch, 11 Ch

Frequency [MHz]	Reading dBuV	Duty Cycle Factor	※ A.F+C.L+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
2390.0	29.67	0.00	35.93	H	65.60	73.98	8.38	PK
2390.0	14.75	0.00	35.93	H	50.68	53.98	3.30	AV
2390.0	29.18	0.00	35.93	V	65.11	73.98	8.87	PK
2390.0	14.22	0.00	35.93	V	50.15	53.98	3.83	AV
2483.5	27.93	0.00	36.44	H	64.37	73.98	9.61	PK
2483.5	14.31	0.00	36.44	H	50.75	53.98	3.23	AV
2483.5	27.25	0.00	36.44	V	63.69	73.98	10.29	PK
2483.5	14.20	0.00	36.44	V	50.64	53.98	3.34	AV

Operation Mode: 802.11n (HT20)
 Transfer Rate: 0
 Operating Frequency: 2467 MHz
 Channel No.: 12 Ch

Frequency [MHz]	Reading dBuV	Duty Cycle Factor	※ A.F+C.L+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
2483.5	26.92	0.00	36.44	H	63.36	73.98	10.62	PK
2483.5	14.00	0.00	36.44	H	50.44	53.98	3.54	AV
2483.5	26.39	0.00	36.44	V	62.83	73.98	11.15	PK
2483.5	13.99	0.00	36.44	V	50.43	53.98	3.55	AV



Operation Mode: 802.11n (HT20)
 Transfer Rate: 0
 Operating Frequency: 2472 MHz
 Channel No.: 13 Ch

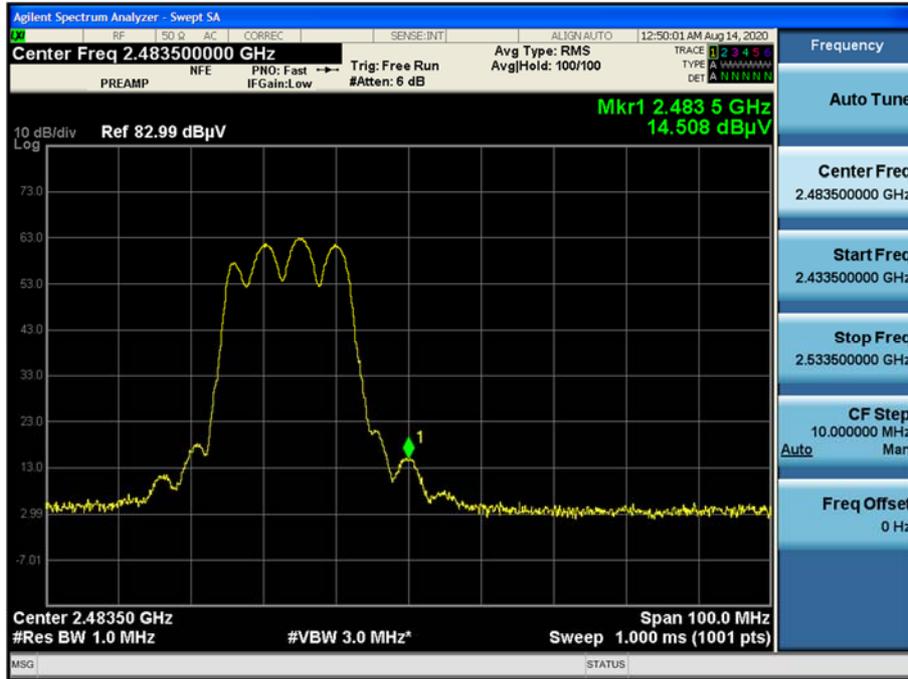
Frequency [MHz]	Reading dBuV	Duty Cycle Factor	※ A.F+C.L+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
2483.5	26.22	0.00	36.44	H	62.66	73.98	11.32	PK
2483.5	14.08	0.00	36.44	H	50.52	53.98	3.46	AV
2483.5	26.18	0.00	36.44	V	62.62	73.98	11.36	PK
2483.5	14.01	0.00	36.44	V	50.45	53.98	3.53	AV

Operation Mode: 802.11n (HT40)
 Transfer MCS Index: 0
 Operating Frequency: 2422 MHz, 2452 MHz
 Channel No.: 03 Ch, 09 Ch

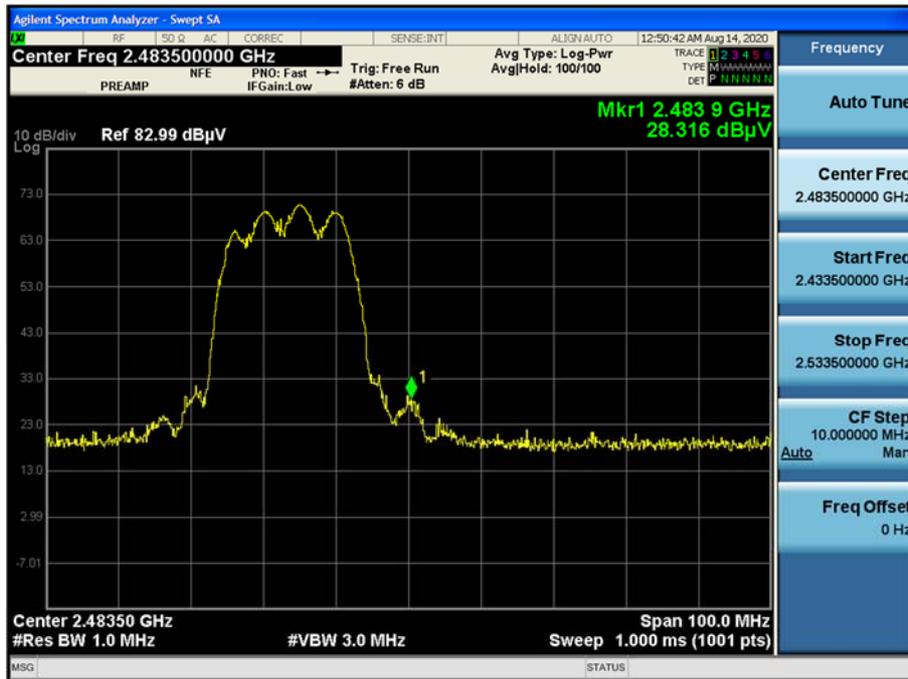
Frequency [MHz]	Reading dBuV	Duty Cycle Factor	※ A.F+C.L+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
2390.0	27.81	0.00	35.93	H	63.74	73.98	10.24	PK
2390.0	14.88	0.00	35.93	H	50.81	53.98	3.17	AV
2390.0	27.66	0.00	35.93	V	63.59	73.98	10.39	PK
2390.0	14.65	0.00	35.93	V	50.58	53.98	3.40	AV
2483.5	27.49	0.00	36.44	H	63.93	73.98	10.05	PK
2483.5	14.42	0.00	36.44	H	50.86	53.98	3.12	AV
2483.5	27.15	0.00	36.44	V	63.59	73.98	10.39	PK
2483.5	14.35	0.00	36.44	V	50.79	53.98	3.19	AV

▣ Test Plots(X-H)

Radiated Restricted Band Edges plot – Average Reading (802.11g Ch.12)



Radiated Restricted Band Edges plot – Peak Reading (802.11g Ch.12)



Note:

Plot of worst case are only reported.

9.7.2 FFC Cable

Operation Mode: 802.11g
 Transfer Rate: 6 Mbps
 Operating Frequency: 2467 MHz
 Channel No.: 12 Ch

Frequency [MHz]	Reading dBuV	Duty Cycle Factor	※ A.F+C.L+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
2483.5	60.85	0.00	1.43	H	62.28	73.98	11.70	PK
2483.5	44.18	0.00	1.43	H	45.61	53.98	8.37	AV
2483.5	59.44	0.00	1.43	V	60.87	73.98	13.11	PK
2483.5	43.78	0.00	1.43	V	45.21	53.98	8.77	AV

Operation Mode: 802.11g
 Transfer Rate: 6 Mbps
 Operating Frequency: 2472 MHz
 Channel No.: 13 Ch

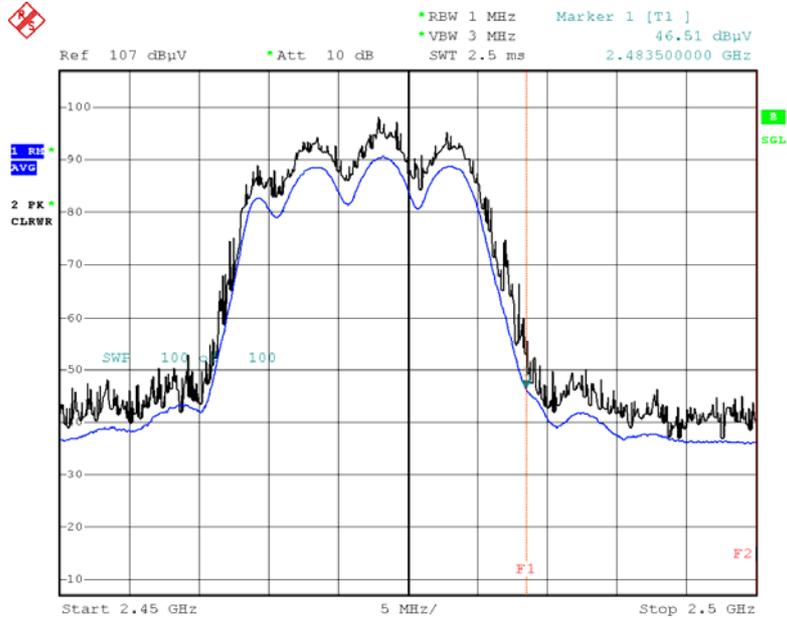
Frequency [MHz]	Reading dBuV	Duty Cycle Factor	※ A.F+C.L+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
2483.5	61.21	0.00	1.43	H	62.64	73.98	11.34	PK
2483.5	46.51	0.00	1.43	H	47.94	53.98	6.04	AV
2483.5	60.44	0.00	1.43	V	61.87	73.98	12.11	PK
2483.5	45.43	0.00	1.43	V	46.86	53.98	7.12	AV

Note:

1. The worst case of the basic cable only was tested.

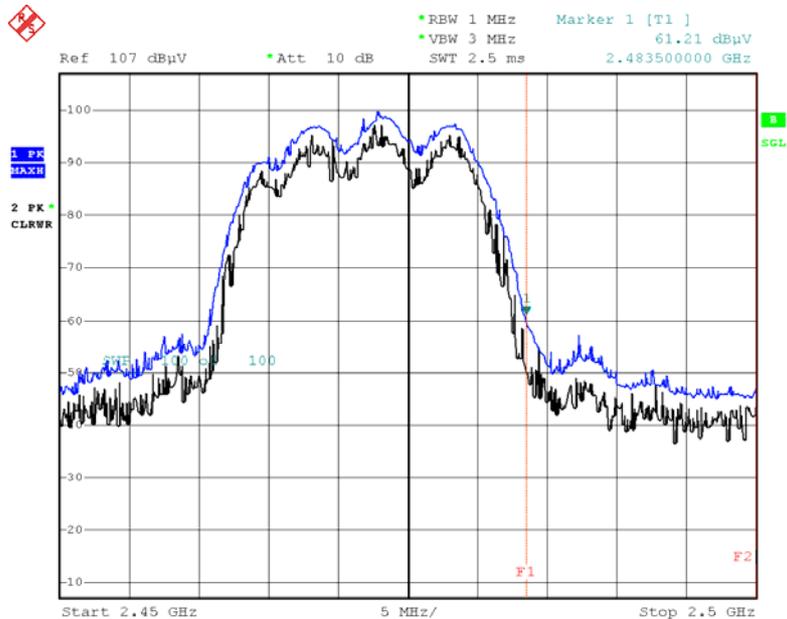
▣ Test Plots(X-H)

Radiated Restricted Band Edges plot – Peak Reading (802.11g Ch.13)



Date: 3.SEP.2020 12:51:07

Radiated Restricted Band Edges plot – Peak Reading (802.11g Ch.13)



Date: 3.SEP.2020 12:51:19

Note:

Plot of worst case are only reported.

9.8 RECEIVER SPURIOUS EMISSIONS

9.8.1 Basic Cable

Frequency Range : Below 1 GHz

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

Note:

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.

Frequency Range : Above 1 GHz

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

9.8.2 FFC Cable

Frequency Range : Below 1 GHz

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

Note:

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.

Frequency Range : Above 1 GHz

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

Note:

1. The worst case of the basic cable only was tested.



9.9 POWERLINE CONDUCTED EMISSIONS

9.9.1 Basic Cable

Conducted Emissions (Line 1)

Test

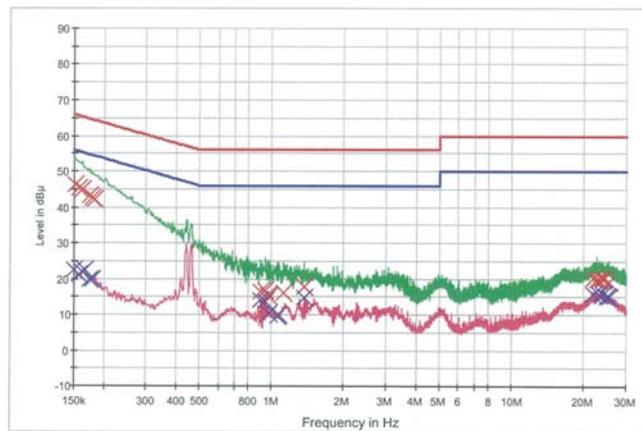
1 / 2

HCT TEST Report

Common Information

EUT: LGSBWAX12
 Manufacturer: LG
 Test Site: SHIELD ROOM
 Operating Conditions: 2.4G_WLAN_N

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 (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	46.2	9.000	On	N	9.7	19.7	65.9
0.158000	45.2	9.000	On	N	9.7	20.4	65.6
0.162000	45.0	9.000	On	N	9.7	20.4	65.4
0.174000	43.1	9.000	On	N	9.7	21.6	64.8
0.178000	42.7	9.000	On	N	9.7	21.9	64.6
0.182000	42.2	9.000	On	N	9.7	22.2	64.4
0.902000	16.5	9.000	On	N	9.7	39.5	56.0
0.946000	16.7	9.000	On	N	9.7	39.3	56.0
0.962000	15.3	9.000	On	N	9.7	40.7	56.0
0.980000	15.1	9.000	On	N	9.7	40.9	56.0
1.128000	16.2	9.000	On	N	9.7	39.8	56.0
1.366000	17.8	9.000	On	N	9.7	38.2	56.0
21.940000	20.3	9.000	On	N	10.0	39.7	60.0
22.666000	19.9	9.000	On	N	10.0	40.1	60.0
23.210000	19.9	9.000	On	N	10.0	40.1	60.0
23.958000	20.2	9.000	On	N	10.0	39.8	60.0
24.116000	20.0	9.000	On	N	10.0	40.0	60.0
25.430000	19.3	9.000	On	N	10.0	40.7	60.0

2020-08-25

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Test

2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	22.4	9.000	On	N	9.7	33.6	56.0
0.158000	21.1	9.000	On	N	9.7	34.5	55.6
0.162000	21.9	9.000	On	N	9.7	33.4	55.4
0.166000	22.6	9.000	On	N	9.7	32.5	55.2
0.174000	19.8	9.000	On	N	9.7	35.0	54.8
0.178000	19.7	9.000	On	N	9.7	34.9	54.6
0.902000	14.2	9.000	On	N	9.7	31.8	46.0
0.946000	13.6	9.000	On	N	9.7	32.4	46.0
0.980000	10.2	9.000	On	N	9.7	35.8	46.0
1.054000	9.5	9.000	On	N	9.7	36.5	46.0
1.076000	9.9	9.000	On	N	9.7	36.1	46.0
1.366000	14.6	9.000	On	N	9.7	31.4	46.0
21.940000	15.9	9.000	On	N	10.0	34.2	50.0
21.946000	15.9	9.000	On	N	10.0	34.1	50.0
23.210000	15.8	9.000	On	N	10.0	34.2	50.0
24.116000	15.7	9.000	On	N	10.0	34.3	50.0
24.874000	15.2	9.000	On	N	10.0	34.8	50.0
25.430000	14.9	9.000	On	N	10.0	35.1	50.0

2020-08-25

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Conducted Emissions (Line 2)

Test

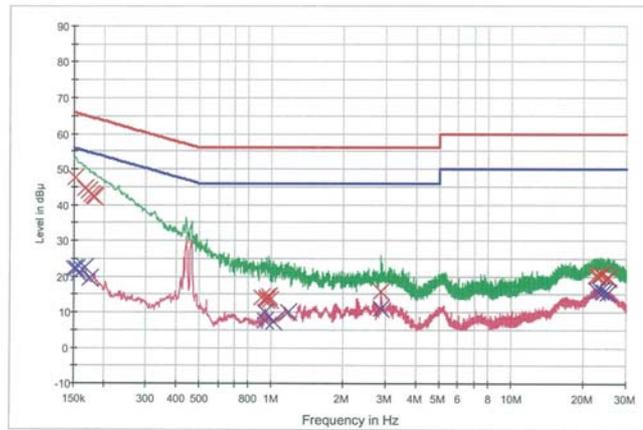
1 / 2

HCT TEST Report

Common Information

EUT: LGSBWAX12
 Manufacturer: LG
 Test Site: SHIELD ROOM
 Operating Conditions: 2.4G_WLAN_L1

FCC CLASS B



— FCC CLASS B_OP — FCC CLASS B_AV — Preview Result 1-PK+
 — Preview Result 2-AVG x Final Result 1-GPK x Final Result 2-CAV

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	47.7	9.000	On	L1	9.7	18.2	65.9
0.166000	44.4	9.000	On	L1	9.7	20.7	65.2
0.172000	43.8	9.000	On	L1	9.7	21.0	64.9
0.176000	43.0	9.000	On	L1	9.7	21.7	64.7
0.180000	42.6	9.000	On	L1	9.7	21.9	64.5
0.184000	42.2	9.000	On	L1	9.7	22.1	64.3
0.906000	14.2	9.000	On	L1	9.7	41.8	56.0
0.950000	14.2	9.000	On	L1	9.7	41.8	56.0
0.954000	13.5	9.000	On	L1	9.7	42.5	56.0
0.970000	14.5	9.000	On	L1	9.7	41.5	56.0
0.984000	13.6	9.000	On	L1	9.7	42.4	56.0
2.872000	15.8	9.000	On	L1	9.8	40.2	56.0
22.418000	20.3	9.000	On	L1	10.0	39.7	60.0
22.866000	20.2	9.000	On	L1	10.0	39.8	60.0
23.584000	20.4	9.000	On	L1	10.0	39.6	60.0
23.784000	20.5	9.000	On	L1	10.0	39.5	60.0
25.180000	19.7	9.000	On	L1	10.0	40.3	60.0
25.262000	19.6	9.000	On	L1	10.0	40.4	60.0

2020-08-25

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Test

2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	22.3	9.000	On	L1	9.7	33.7	56.0
0.154000	22.2	9.000	On	L1	9.7	33.6	55.8
0.158000	20.9	9.000	On	L1	9.7	34.7	55.6
0.162000	21.8	9.000	On	L1	9.7	33.5	55.4
0.166000	22.6	9.000	On	L1	9.7	32.6	55.2
0.174000	19.5	9.000	On	L1	9.7	35.2	54.8
0.938000	7.6	9.000	On	L1	9.7	38.4	46.0
0.946000	10.0	9.000	On	L1	9.7	36.0	46.0
1.016000	7.4	9.000	On	L1	9.7	38.6	46.0
1.174000	9.9	9.000	On	L1	9.7	36.1	46.0
2.870000	11.1	9.000	On	L1	9.8	34.9	46.0
2.874000	11.1	9.000	On	L1	9.8	34.9	46.0
22.622000	16.1	9.000	On	L1	10.0	33.9	50.0
23.584000	16.2	9.000	On	L1	10.0	33.8	50.0
24.390000	15.9	9.000	On	L1	10.0	34.1	50.0
24.398000	15.9	9.000	On	L1	10.0	34.1	50.0
25.180000	15.4	9.000	On	L1	10.0	34.6	50.0
25.262000	15.3	9.000	On	L1	10.0	34.7	50.0

2020-08-25

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9.9.2 FFC Cable

Conducted Emissions (Line 1)

Test

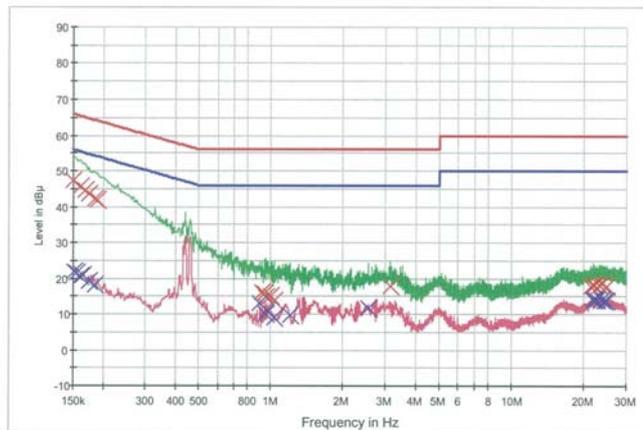
1 / 2

HCT TEST Report

Common Information

EUT: LGSBWAX12
 Manufacturer: LG
 Test Site: SHIELD ROOM
 Operating Conditions: WLAN_2.4G_N

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 (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	47.2	9.000	On	N	9.7	18.8	66.0
0.160000	45.6	9.000	On	N	9.7	19.8	65.5
0.168000	44.4	9.000	On	N	9.7	20.6	65.1
0.174000	43.7	9.000	On	N	9.7	21.1	64.8
0.186000	42.3	9.000	On	N	9.7	22.0	64.2
0.190000	41.7	9.000	On	N	9.7	22.3	64.0
0.922000	16.2	9.000	On	N	9.7	39.8	56.0
0.944000	15.6	9.000	On	N	9.7	40.4	56.0
0.948000	14.7	9.000	On	N	9.7	41.3	56.0
0.996000	15.0	9.000	On	N	9.7	41.0	56.0
1.036000	13.6	9.000	On	N	9.7	42.4	56.0
3.140000	17.8	9.000	On	N	9.8	38.2	56.0
21.454000	17.9	9.000	On	N	10.1	42.1	60.0
21.898000	18.3	9.000	On	N	10.1	41.7	60.0
22.080000	18.3	9.000	On	N	10.1	41.7	60.0
23.154000	18.1	9.000	On	N	10.1	41.9	60.0
23.812000	18.4	9.000	On	N	10.1	41.6	60.0
24.814000	17.9	9.000	On	N	10.1	42.1	60.0

2020-09-07

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Test

2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	21.9	9.000	On	N	9.7	34.0	55.9
0.156000	21.5	9.000	On	N	9.7	34.2	55.7
0.160000	20.6	9.000	On	N	9.7	34.8	55.5
0.164000	21.0	9.000	On	N	9.7	34.3	55.3
0.174000	19.3	9.000	On	N	9.7	35.5	54.8
0.186000	18.2	9.000	On	N	9.7	36.0	54.2
0.900000	13.1	9.000	On	N	9.7	32.9	46.0
0.948000	10.0	9.000	On	N	9.7	36.0	46.0
0.966000	11.0	9.000	On	N	9.7	35.0	46.0
1.036000	8.9	9.000	On	N	9.7	37.1	46.0
1.196000	9.8	9.000	On	N	9.7	36.2	46.0
2.540000	11.7	9.000	On	N	9.8	34.3	46.0
21.898000	14.1	9.000	On	N	10.1	35.9	50.0
22.080000	14.1	9.000	On	N	10.1	35.9	50.0
22.582000	14.0	9.000	On	N	10.1	36.0	50.0
23.812000	14.1	9.000	On	N	10.1	35.9	50.0
24.412000	13.9	9.000	On	N	10.1	36.1	50.0
24.814000	13.7	9.000	On	N	10.1	36.3	50.0

2020-09-07

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Conducted Emissions (Line 2)

Test

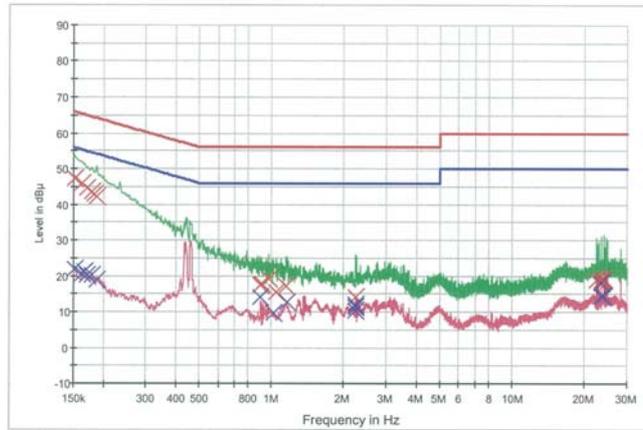
1 / 2

HCT TEST Report

Common Information

EUT: LGSBWAX12
 Manufacturer: LG
 Test Site: SHIELD ROOM
 Operating Conditions: WLAN_2.4G_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	47.2	9.000	On	L1	9.8	18.7	65.9
0.162000	46.0	9.000	On	L1	9.8	19.3	65.4
0.170000	44.5	9.000	On	L1	9.8	20.5	65.0
0.178000	43.4	9.000	On	L1	9.8	21.1	64.6
0.184000	42.8	9.000	On	L1	9.8	21.5	64.3
0.188000	42.3	9.000	On	L1	9.8	21.8	64.1
0.894000	17.6	9.000	On	L1	9.8	38.4	56.0
0.904000	17.6	9.000	On	L1	9.8	38.4	56.0
0.978000	19.0	9.000	On	L1	9.8	37.0	56.0
1.050000	15.6	9.000	On	L1	9.8	40.4	56.0
1.154000	17.1	9.000	On	L1	9.8	38.9	56.0
2.248000	14.2	9.000	On	L1	9.8	41.8	56.0
22.458000	18.7	9.000	On	L1	10.1	41.3	60.0
23.388000	18.7	9.000	On	L1	10.1	41.3	60.0
23.920000	18.9	9.000	On	L1	10.1	41.1	60.0
23.984000	19.0	9.000	On	L1	10.1	41.0	60.0
24.000000	19.0	9.000	On	L1	10.1	41.0	60.0
24.036000	18.8	9.000	On	L1	10.1	41.2	60.0

2020-09-07

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Test

2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	22.0	9.000	On	L1	9.8	33.9	55.9
0.162000	20.6	9.000	On	L1	9.8	34.7	55.4
0.166000	21.3	9.000	On	L1	9.8	33.9	55.2
0.170000	20.2	9.000	On	L1	9.8	34.8	55.0
0.178000	20.0	9.000	On	L1	9.8	34.6	54.6
0.188000	18.8	9.000	On	L1	9.8	35.3	54.1
0.802000	14.2	9.000	On	L1	9.8	31.8	46.0
1.022000	9.7	9.000	On	L1	9.8	36.3	46.0
1.156000	12.8	9.000	On	L1	9.8	33.2	46.0
2.238000	12.0	9.000	On	L1	9.8	34.0	46.0
2.242000	11.5	9.000	On	L1	9.8	34.5	46.0
2.246000	10.2	9.000	On	L1	9.8	35.8	46.0
23.388000	18.0	9.000	On	L1	10.1	32.0	50.0
23.454000	14.4	9.000	On	L1	10.1	35.6	50.0
23.900000	14.5	9.000	On	L1	10.1	35.5	50.0
23.920000	14.5	9.000	On	L1	10.1	35.5	50.0
24.000000	14.5	9.000	On	L1	10.1	35.5	50.0
24.038000	14.5	9.000	On	L1	10.1	35.5	50.0

2020-09-07

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10. LIST OF TEST EQUIPMENT

Conducted Test

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Rohde & Schwarz	ENV216 / LISN	09/11/2019	Annual	102245
Rohde & Schwarz	ESCI / Test Receiver	06/05/2020	Annual	100033
ESPAC	SU-642 /Temperature Chamber	03/18/2020	Annual	0093008124
Agilent	N9020A / Signal Analyzer	05/11/2020	Annual	MY51110085
Agilent	N9030A / Signal Analyzer	05/06/2020	Annual	MY53310623
Agilent	N1911A / Power Meter	04/07/2020	Annual	MY45101406
Agilent	N1921A / Power Sensor	03/23/2020	Annual	MY55220026
Agilent	87300B / Directional Coupler	11/11/2019	Annual	3116A03621
Hewlett Packard	11667B / Power Splitter	05/25/2020	Annual	05001
Hewlett Packard	E3632A / DC Power Supply	06/12/2020	Annual	KR75303960
Weinschel	2-20 / Attenuator(20 dB)	10/08/2019	Annual	BR0592
Rohde & Schwarz	EMC32 / Software	N/A	N/A	N/A
HCT CO., LTD.	FCC WLAN&BT&BLE Conducted Test Software v3.0	N/A	N/A	N/A
Rohde & Schwarz	CBT / Bluetooth Tester	05/12/2020	Annual	100422

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

Radiated Test

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Innco system	CO3000 / Controller(Antenna mast)	N/A	N/A	CO3000-4p
Innco system	MA4640/800-XP-EP / Antenna Position Tower	N/A	N/A	N/A
Emco	2090 / Controller	N/A	N/A	060520
Ets	Turn Table	N/A	N/A	N/A
Rohde & Schwarz	Loop Antenna	05/18/2020	Biennial	1513-175
Schwarzbeck	VULB 9160 / Hybrid Antenna	08/19/2020	Biennial	9160-3368
Schwarzbeck	VULB 9168 / Hybrid Antenna	08/31/2018	Biennial	9168-895
Schwarzbeck	BBHA 9120D / Horn Antenna	11/18/2019	Biennial	9120D-1191
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	11/29/2019	Biennial	BBHA9170541
Rohde & Schwarz	FSP(9 kHz ~ 30 GHz) / Spectrum Analyzer	09/11/2019	Annual	836650/016
Rohde & Schwarz	FSV40-N / Spectrum Analyzer	09/26/2019	Annual	101068-SZ
Wainwright Instruments	WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter	01/21/2020	Annual	2
Wainwright Instruments	WRCJV5100/5850-40/50-8EEK / Band Reject Filter	02/10/2020	Annual	1
CERNEX	CBLU1183540B-01/Broadband Bench Top LNA	12/24/2019	Annual	N/A
WEINSCHTEL	56-10 / Attenuator(10 dB)			
CERNEX	CBL06185030 / Broadband Low Noise Amplifier	12/24/2019	Annual	N/A
Api tech.	18B-03 / Attenuator (3 dB)			
Wainwright Instruments	WHKX10-2700-3000-18000-40SS / High Pass Filter	12/24/2019	Annual	N/A
Wainwright Instruments	WHKX8-6090-7000-18000-40SS / High Pass Filter	12/24/2019	Annual	N/A
T&M SYSTEM	COAXIAL ATTENUATOR / Thru	12/24/2019	Annual	N/A
CERNEX	CBL18265035 / Power Amplifier	12/26/2019	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	03/23/2020	Annual	25956
TESCOM	TC-3000C / Bluetooth Tester	03/18/2020	Annual	3000C000276

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
3. Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5(Version : 2017).



11. ANNEX A_ TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-2009-FI005-P