

## Appendix D.1: Radiated Power Output Data

### Test Result

	Band		Channel	PowerPeak (dBm)	PowerAvg (dBm)	Limit(dBm)	Verdict
RCM	BandII		9262	26.73	23.74	33	PASS
	BandII		9400	26.45	23.47	33	PASS
	BandII		9538	26.99	24.05	33	PASS
	BandV		4132	26.64	23.88	38.5	PASS
	BandV		4182	26.56	23.75	38.5	PASS
	BandV		4233	26.84	24.22	38.5	PASS
HSDP A	BandII	Sub -Test 1	9262	26.55	22.62	33	PASS
	BandII	Sub -Test 1	9400	26.27	22.74	33	PASS
	BandII	Sub -Test 1	9538	26.77	22.22	33	PASS
	BandV	Sub -Test 1	4132	26.46	22.86	38.5	PASS
	BandV	Sub -Test 1	4182	26.36	22.39	38.5	PASS
	BandV	Sub -Test 1	4233	26.64	22.85	38.5	PASS
HSDP A	BandII	Sub -Test 2	9262	26.53	22.82	33	PASS
	BandII	Sub -Test 2	9400	26.25	22.62	33	PASS
	BandII	Sub -Test 2	9538	26.81	22.27	33	PASS
	BandV	Sub -Test 2	4132	26.42	22.52	38.5	PASS
	BandV	Sub -Test 2	4182	26.37	22.83	38.5	PASS
	BandV	Sub -Test 2	4233	26.63	22.08	38.5	PASS
HSDP A	BandII	Sub -Test 3	9262	26.54	22.74	33	PASS
	BandII	Sub -Test 3	9400	26.27	22.65	33	PASS
	BandII	Sub -Test 3	9538	26.77	22.89	33	PASS
	BandV	Sub -Test 3	4132	26.45	22.68	38.5	PASS
	BandV	Sub -Test 3	4182	26.38	22.66	38.5	PASS
	BandV	Sub -Test 3	4233	26.64	22.06	38.5	PASS
HSDP A	BandII	Sub -Test 4	9262	26.54	22.73	33	PASS
	BandII	Sub -Test 4	9400	26.33	22.41	33	PASS
	BandII	Sub -Test 4	9538	26.05	22.05	33	PASS
	BandV	Sub -Test 4	4132	26.58	22.84	38.5	PASS
	BandV	Sub -Test 4	4182	26.25	22.68	38.5	PASS
	BandV	Sub -Test 4	4233	26.20	22.33	38.5	PASS
HSUP A	BandII	Sub -Test 1	9262	26.32	22.42	33	PASS
	BandII	Sub -Test 1	9400	26.06	22.08	33	PASS
	BandII	Sub -Test 1	9538	26.59	22.01	33	PASS
	BandV	Sub -Test 1	4132	26.25	22.67	38.5	PASS
	BandV	Sub -Test 1	4182	26.17	22.41	38.5	PASS
	BandV	Sub -Test 1	4233	26.41	22.43	38.5	PASS
HSUP	BandII	Sub -Test 2	9262	26.37	22.58	33	PASS

A	BandII	Sub –Test 2	9400	26.10	22.36	33	PASS
	BandII	Sub –Test 2	9538	26.57	22.73	33	PASS
	BandV	Sub –Test 2	4132	26.26	22.56	38.5	PASS
	BandV	Sub –Test 2	4182	26.19	22.55	38.5	PASS
	BandV	Sub –Test 2	4233	26.46	22.62	38.5	PASS
HSUP A	BandII	Sub –Test 3	9262	26.33	22.57	33	PASS
	BandII	Sub –Test 3	9400	26.08	22.09	33	PASS
	BandII	Sub –Test 3	9538	26.57	22.76	33	PASS
	BandV	Sub –Test 3	4132	26.26	22.34	38.5	PASS
	BandV	Sub –Test 3	4182	26.19	22.43	38.5	PASS
	BandV	Sub –Test 3	4233	26.45	22.68	38.5	PASS
HSUP A	BandII	Sub –Test 4	9262	26.36	22.72	33	PASS
	BandII	Sub –Test 4	9400	26.09	22.12	33	PASS
	BandII	Sub –Test 4	9538	26.57	22.03	33	PASS
	BandV	Sub –Test 4	4132	26.25	22.52	38.5	PASS
	BandV	Sub –Test 4	4182	26.20	22.68	38.5	PASS
	BandV	Sub –Test 4	4233	26.42	22.58	38.5	PASS
HSUP A	BandII	Sub –Test 5	9262	26.35	22.44	33	PASS
	BandII	Sub –Test 5	9400	26.05	22.13	33	PASS
	BandII	Sub –Test 5	9538	26.56	22.86	33	PASS
	BandV	Sub –Test 5	4132	26.28	22.36	38.5	PASS
	BandV	Sub –Test 5	4182	26.20	22.49	38.5	PASS
	BandV	Sub –Test 5	4233	26.46	22.82	38.5	PASS

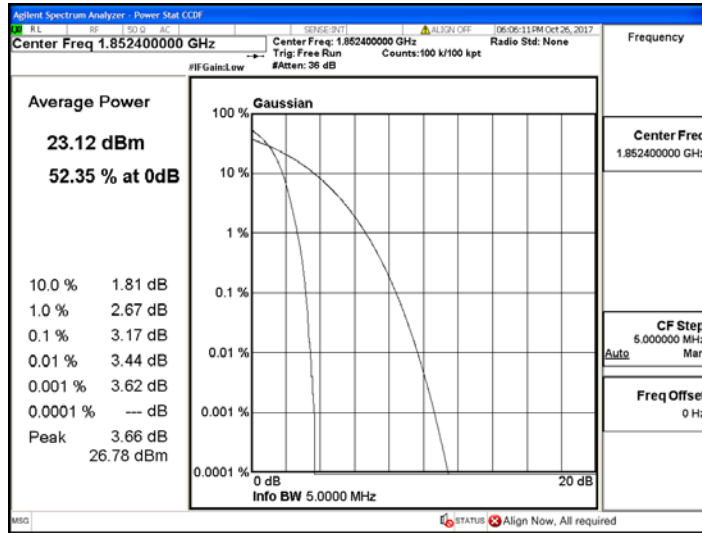
## Appendix D.2: Peak-to-Average Ratio

### Test Result

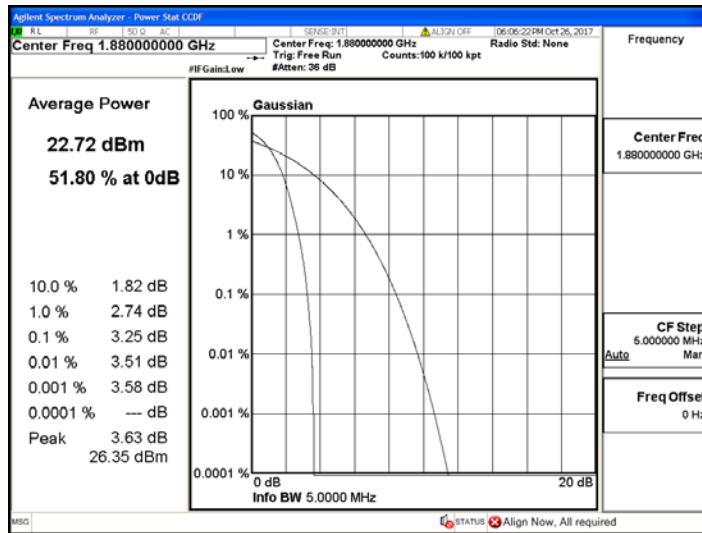
### Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band II	9262	3.17	13	PASS
Band II	9400	3.51	13	PASS
Band II	9538	3.00	13	PASS
Band V	4132	2.80	13	PASS
Band V	4182	3.02	13	PASS
Band V	4233	2.70	13	PASS

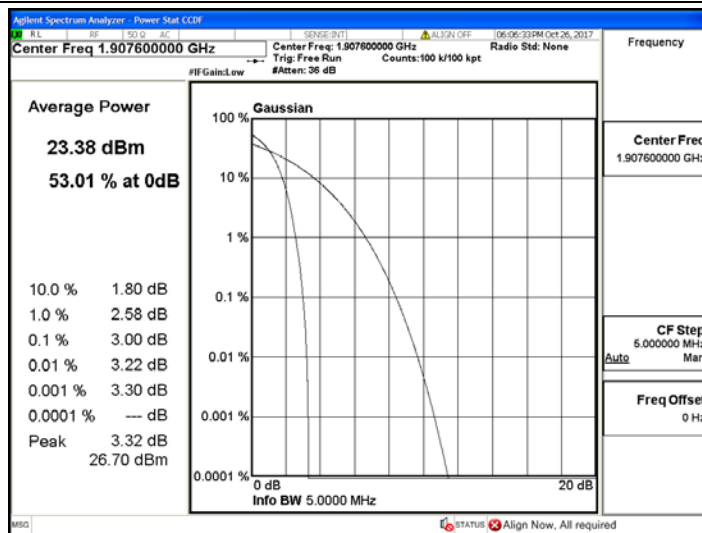
Band II\_9262



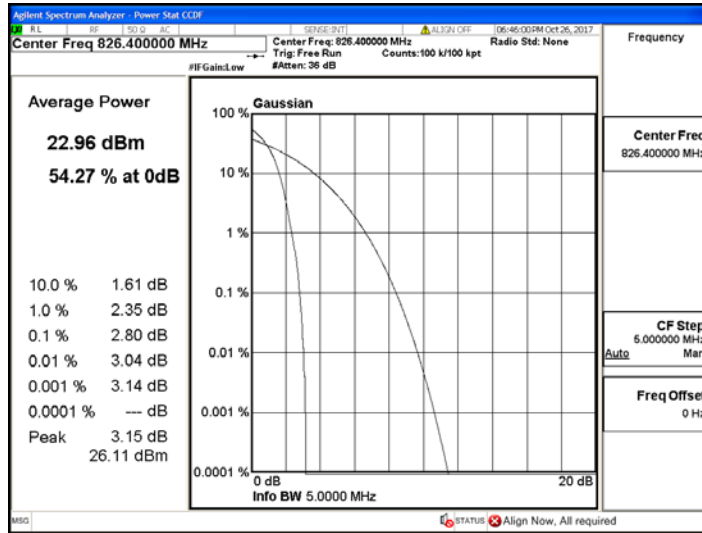
Band II\_9400



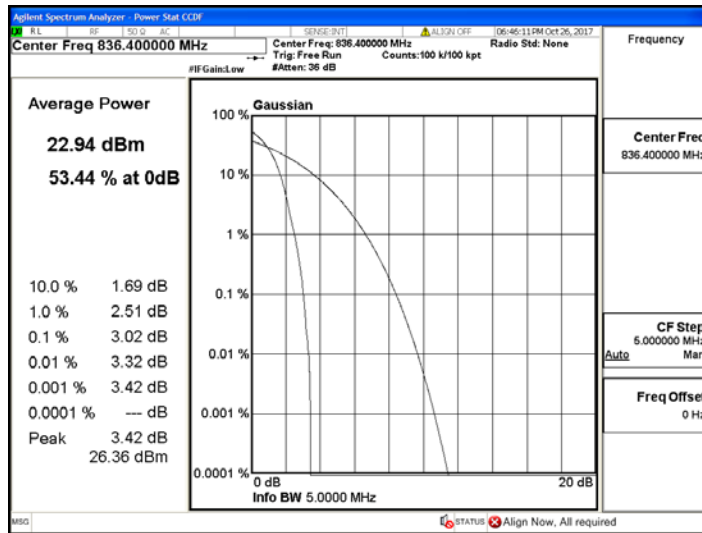
Band II\_9538



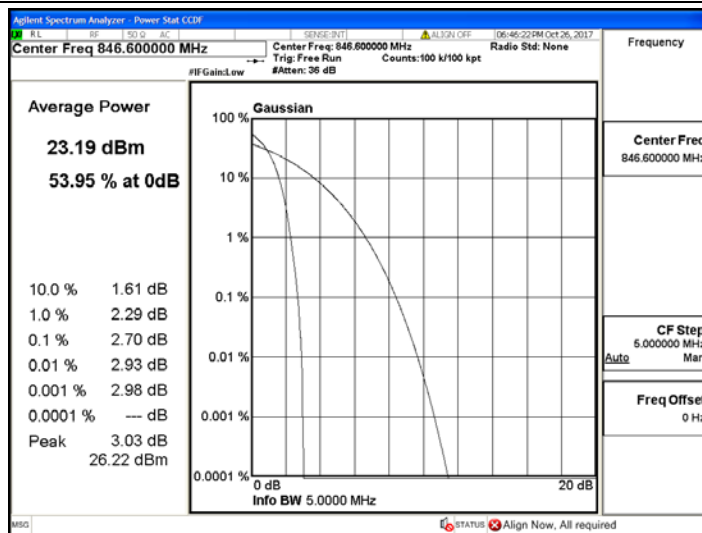
Band V\_4132



Band II\_4182



Band II\_4233

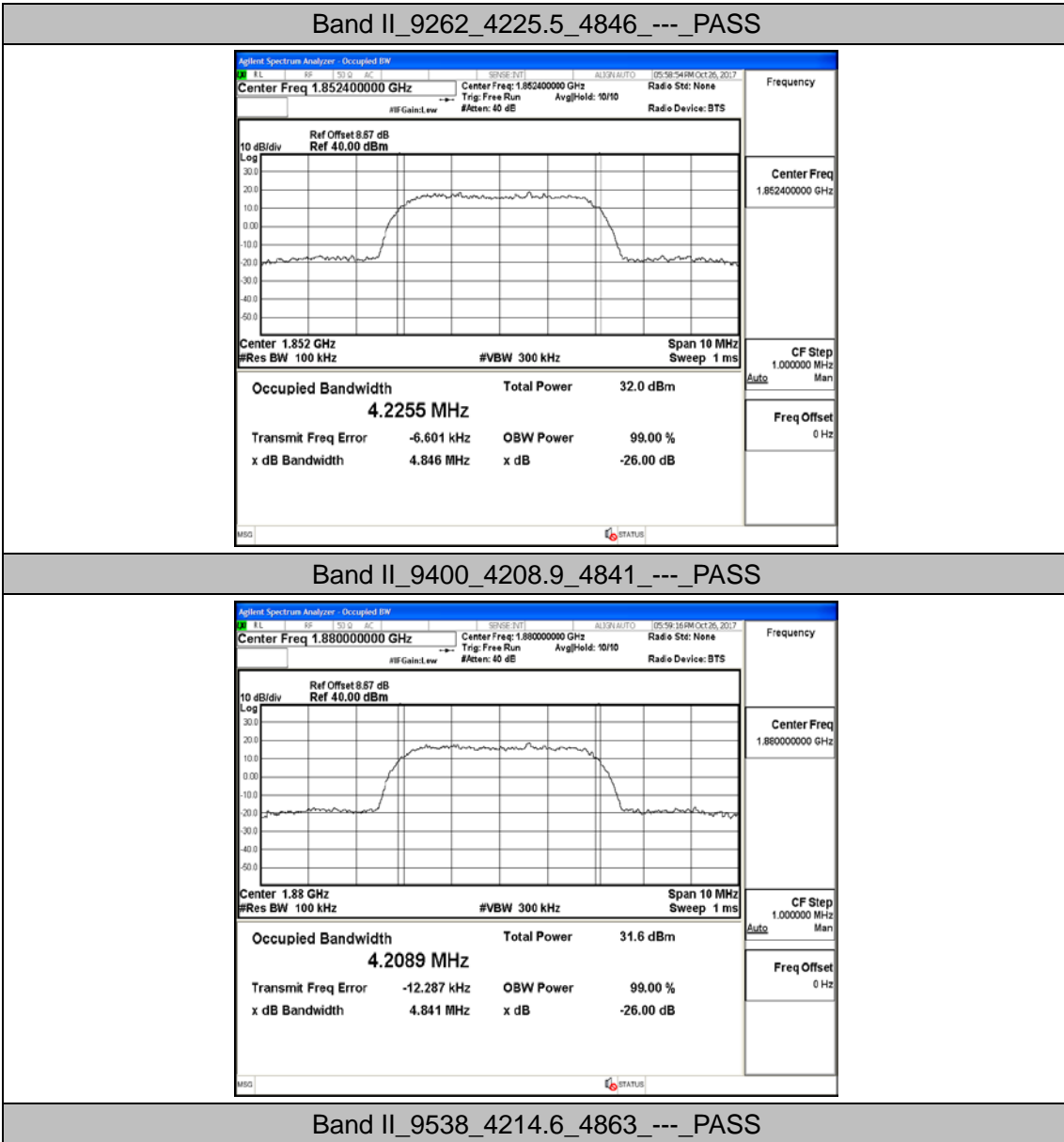


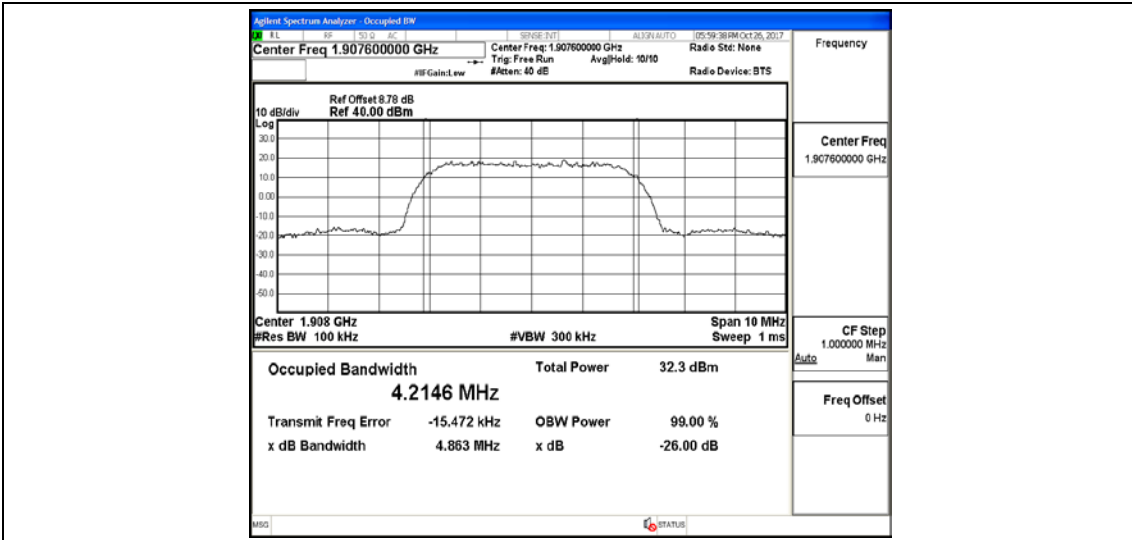
## Appendix D.3: 26dB Bandwidth and Occupied Bandwidth

### Test Result

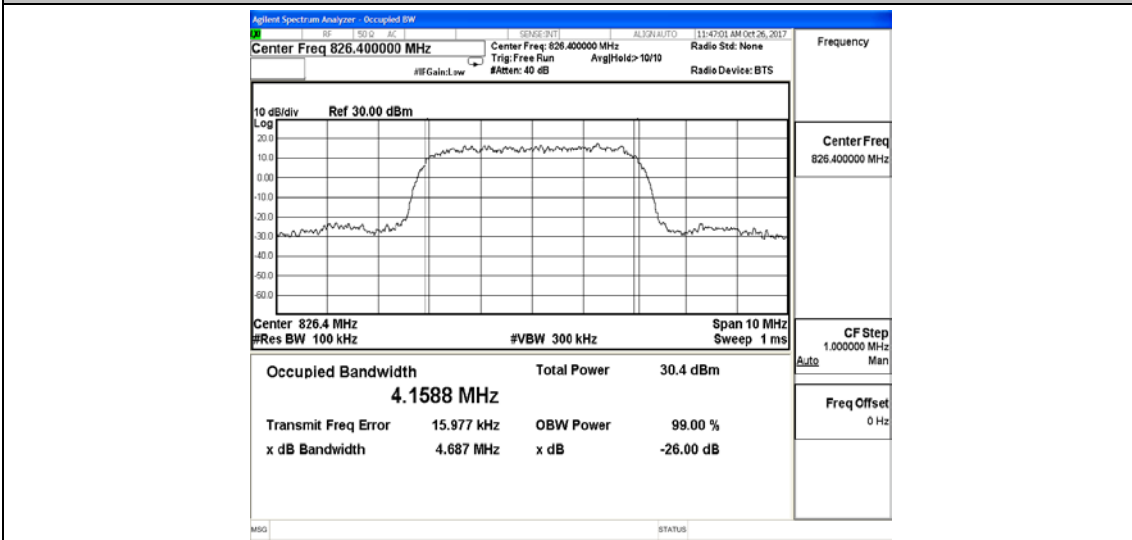
Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band II	9262	4225.5	4846	---	PASS
Band II	9400	4208.9	4841	---	PASS
Band II	9538	4214.6	4863	---	PASS
Band V	4132	4158.8	4880	---	PASS
Band V	4182	4209.6	4868	---	PASS
Band V	4233	4213.1	4900	---	PASS

### Test Graphs

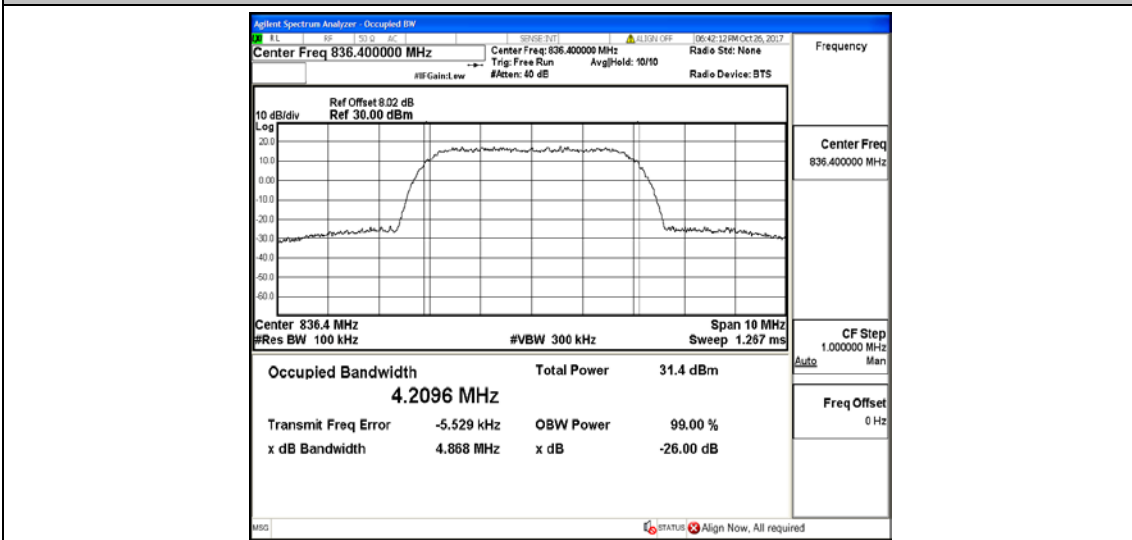




Band V\_4132\_4220.6\_4880\_---\_PASS

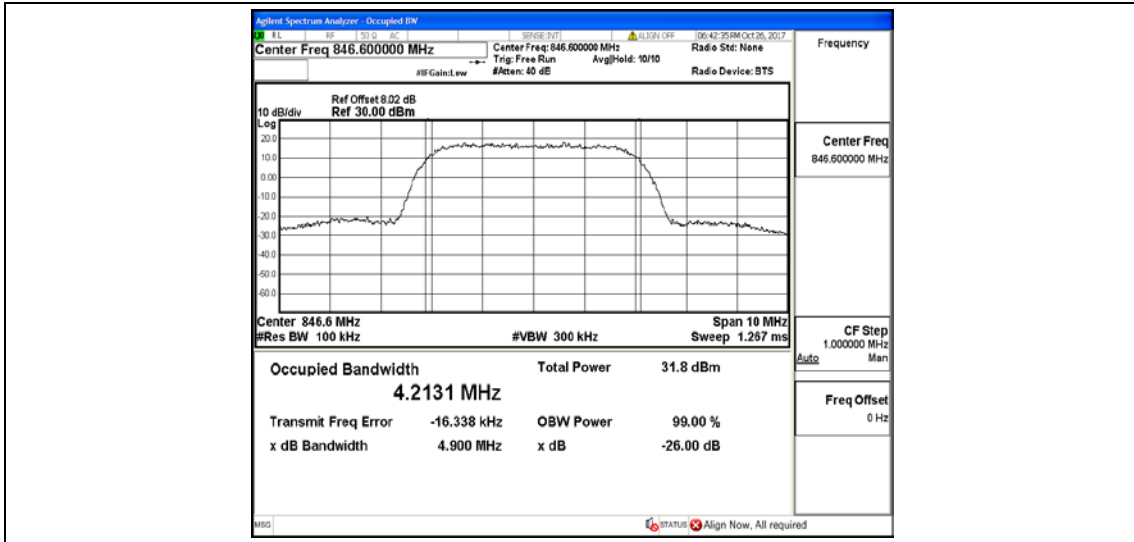


Band V\_4182\_4209.6\_4868\_---\_PASS



Band V\_4233\_4213.1\_4900\_---\_PASS





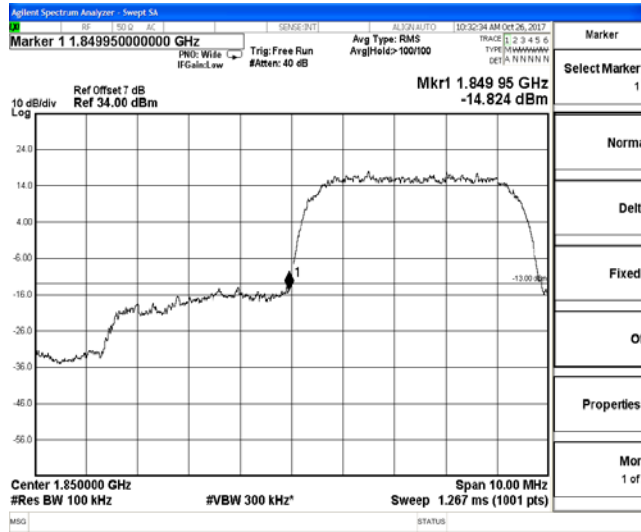
# Appendix D.4: Band Edge

## Test Result

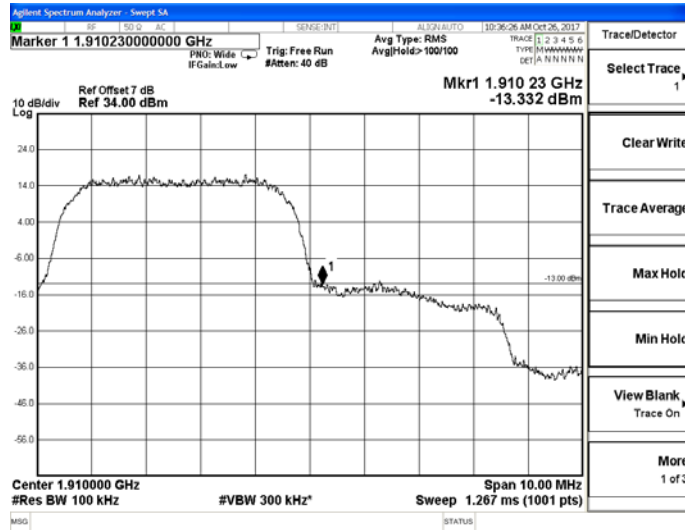
Band	Channel	Value(dBm)	Limit(dBm)	Verdict
Band II	9262	-14.824	-13	Pass
Band II	9538	-13.332	-13	Pass
Band V	4132	-15.353	-13	Pass
Band V	4233	-16.191	-13	Pass

### Test Graphs

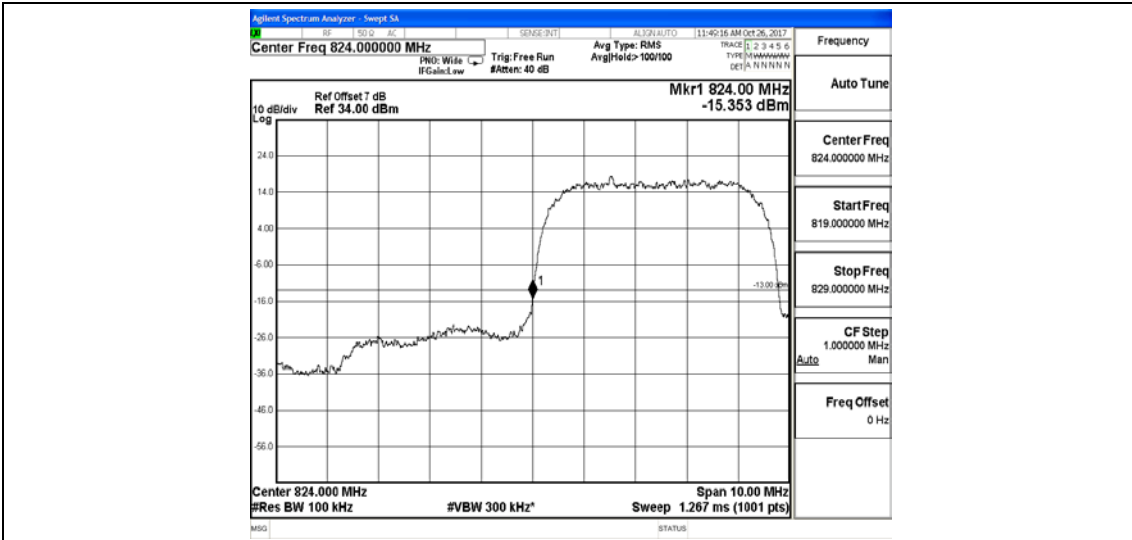
Band II\_9262\_-10.17\_-13\_FAIL



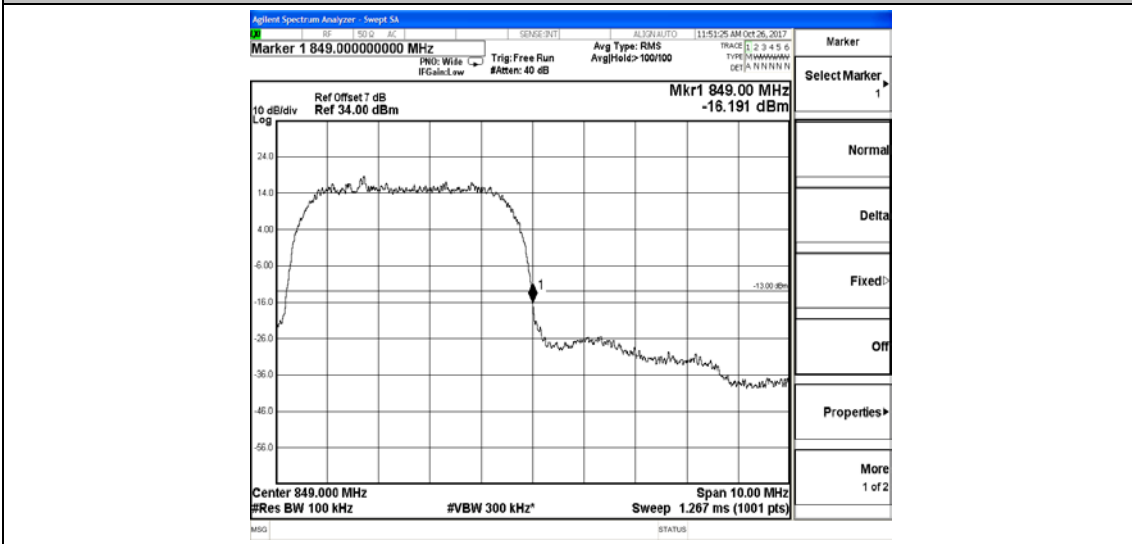
Band II\_9538\_-10.95\_-13\_FAIL



Band V\_4132\_-9.03\_-13\_FAIL



Band V\_4233 -9.25 -13\_FAIL

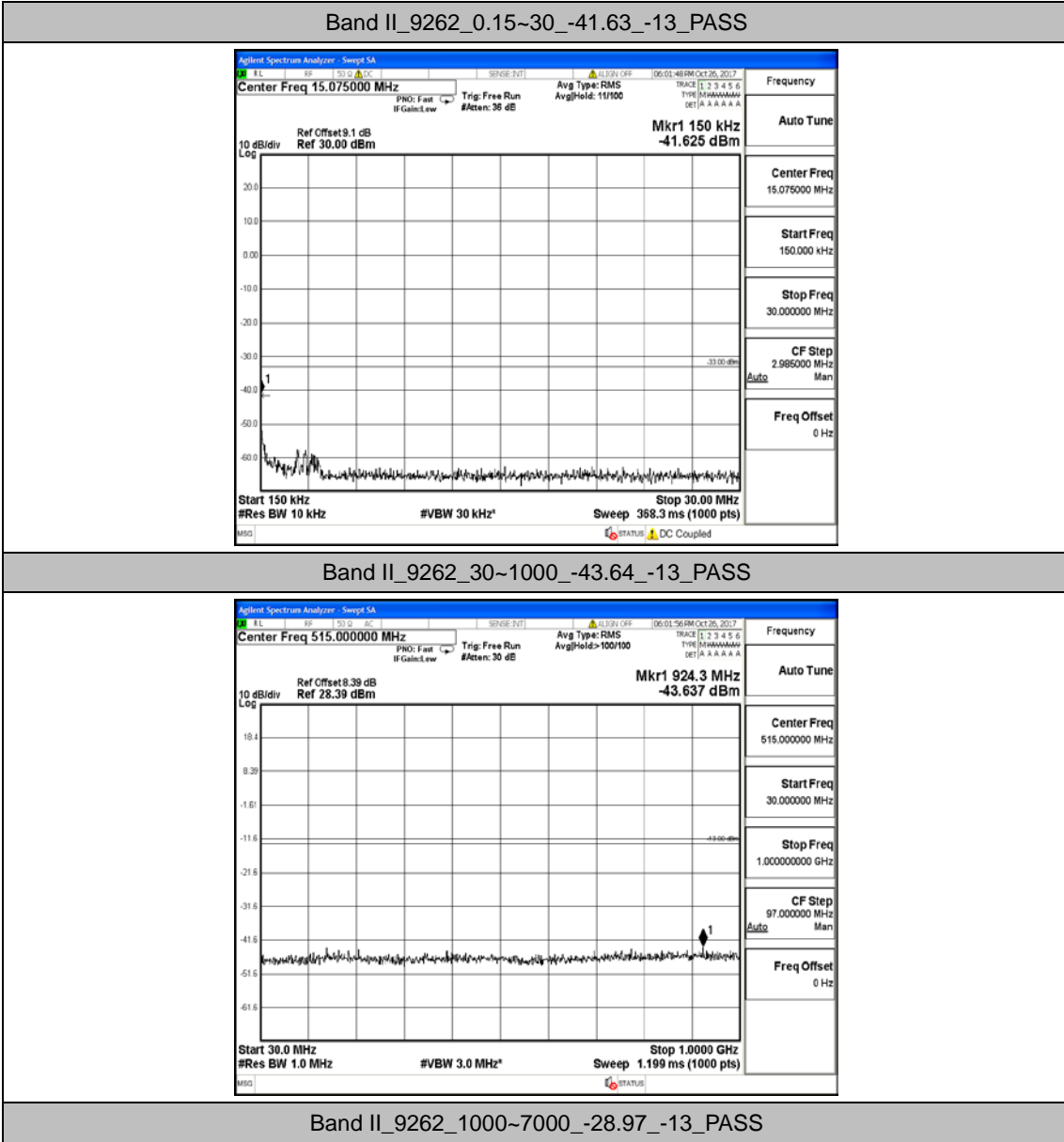


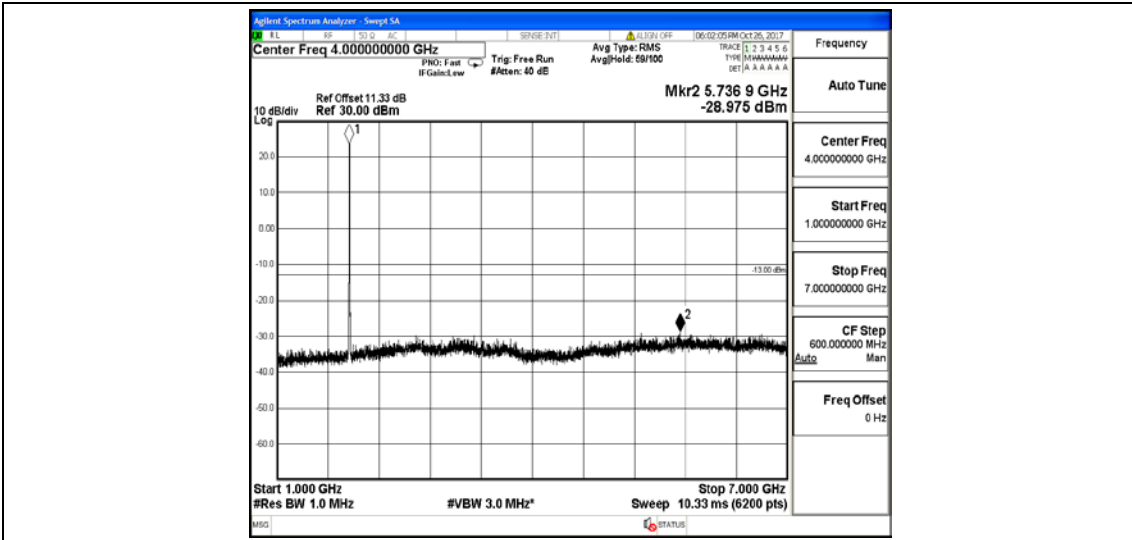
## Appendix D.5: Conducted Spurious Emission

### Test Result

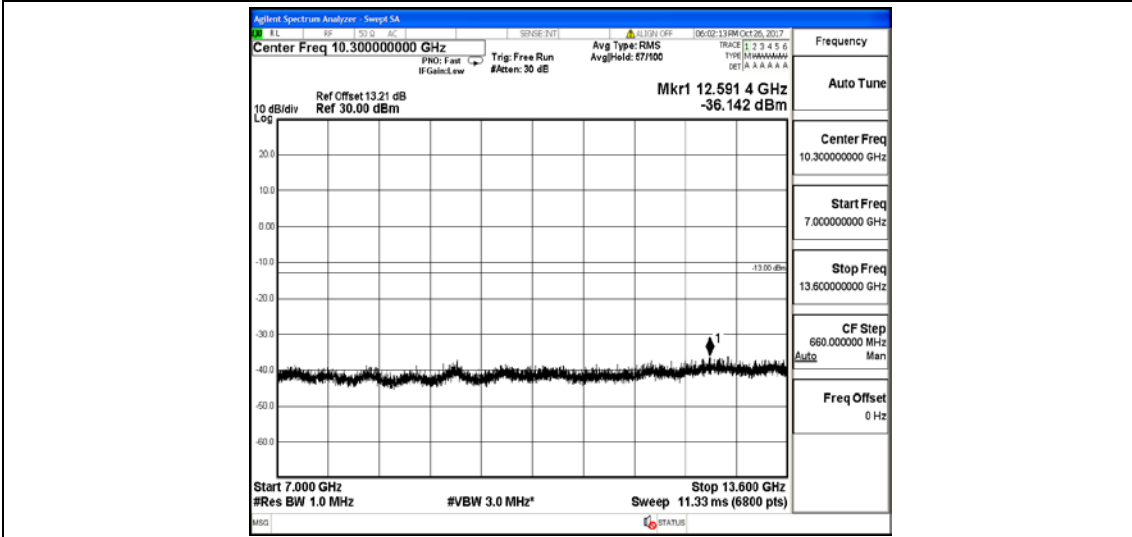
Band	Channel	Frequency Rang(Mhz)	Value(dBm)	Limit(dBm)	Verdict
Band II	9262	0.15~30	-41.63	-13	PASS
Band II	9262	30~1000	-43.64	-13	PASS
Band II	9262	1000~7000	-28.97	-13	PASS
Band II	9262	7000~13600	-36.14	-13	PASS
Band II	9262	13600~20000	-33.29	-13	PASS
Band II	9400	0.15~30	-42.88	-13	PASS
Band II	9400	30~1000	-43.10	-13	PASS
Band II	9400	1000~7000	-28.52	-13	PASS
Band II	9400	7000~13600	-36.08	-13	PASS
Band II	9400	13600~20000	-33.47	-13	PASS
Band II	9538	1000~7000	-28.38	-13	PASS
Band II	9538	30~1000	-43.76	-13	PASS
Band II	9538	7000~13600	-35.26	-13	PASS
Band II	9538	13600~20000	-34.16	-13	PASS
Band II	9538	0.15~30	-41.77	-13	PASS
Band V	4132	0.009~0.15	-39.72	-13	PASS
Band V	4132	0.15~30	-42.29	-13	PASS
Band V	4132	30~1000	-44.06	-13	PASS
Band V	4132	1000~9000	-28.96	-13	PASS
Band V	4182	0.15~30	-42.42	-13	PASS
Band V	4182	30~1000	-43.80	-13	PASS
Band V	4182	1000~9000	-29.86	-13	PASS
Band V	4233	1000~9000	-29.65	-13	PASS
Band V	4233	0.15~30	-41.25	-13	PASS
Band V	4233	30~1000	-42.12	-13	PASS

### Test Graphs

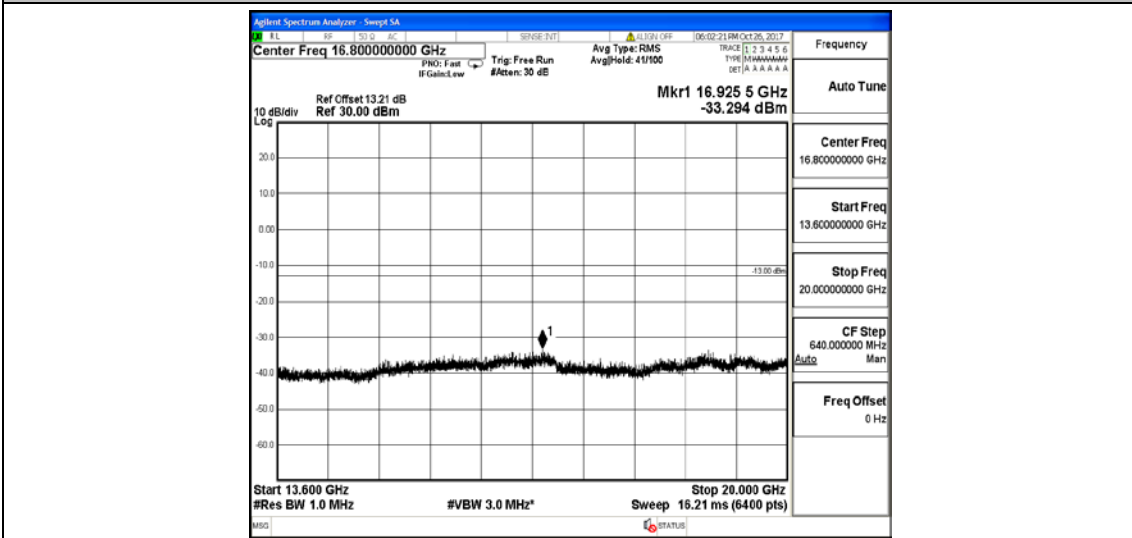




Band II\_9262\_7000~13600\_-36.14\_-13\_PASS

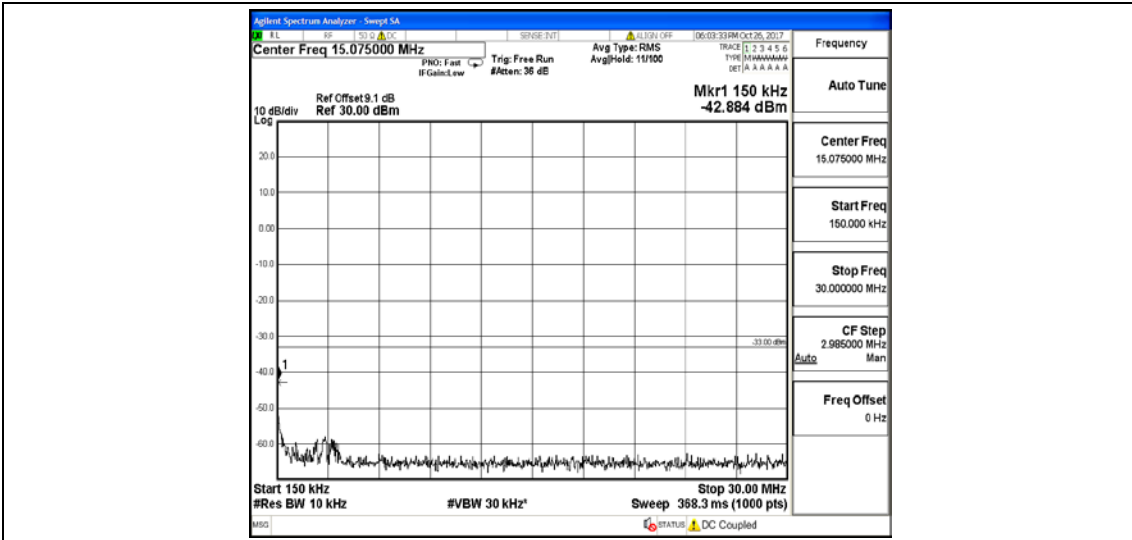


Band II\_9262\_13600~20000\_-33.29\_-13\_PASS

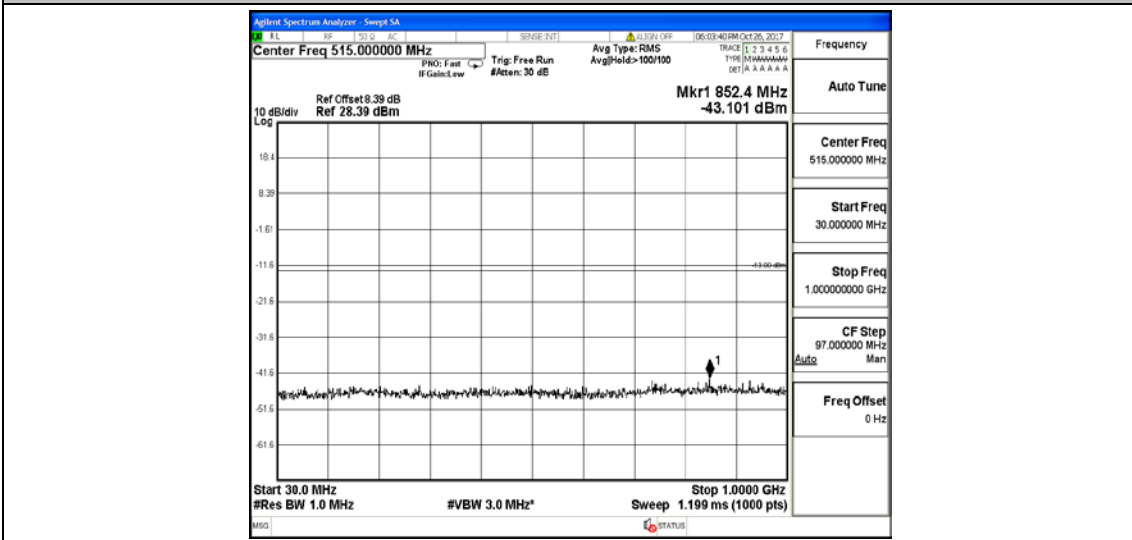


Band II\_9262\_0.009~0.15\_-37.88\_-13\_FAIL

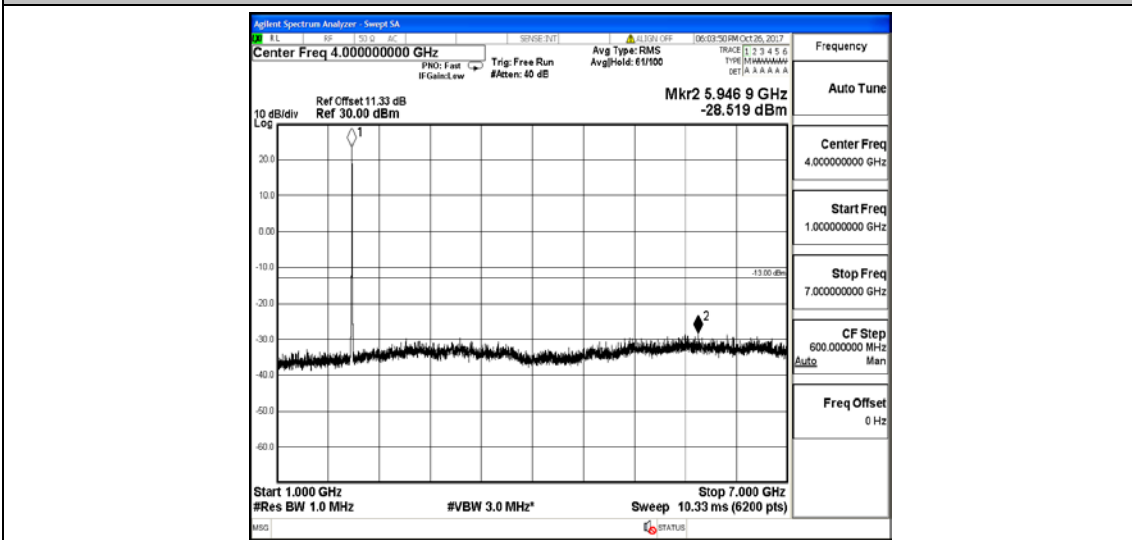
Band II\_9400\_0.15~30\_-42.88\_-13\_PASS



Band II\_9400\_30~1000\_-43.10\_-13\_PASS

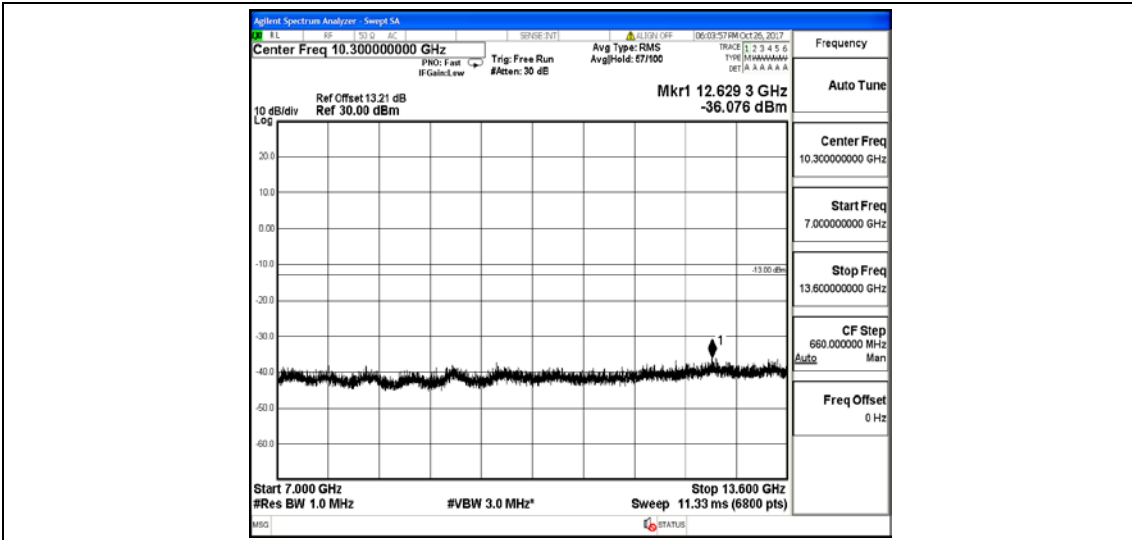


Band II\_9400\_1000~7000\_-28.52\_-13\_PASS

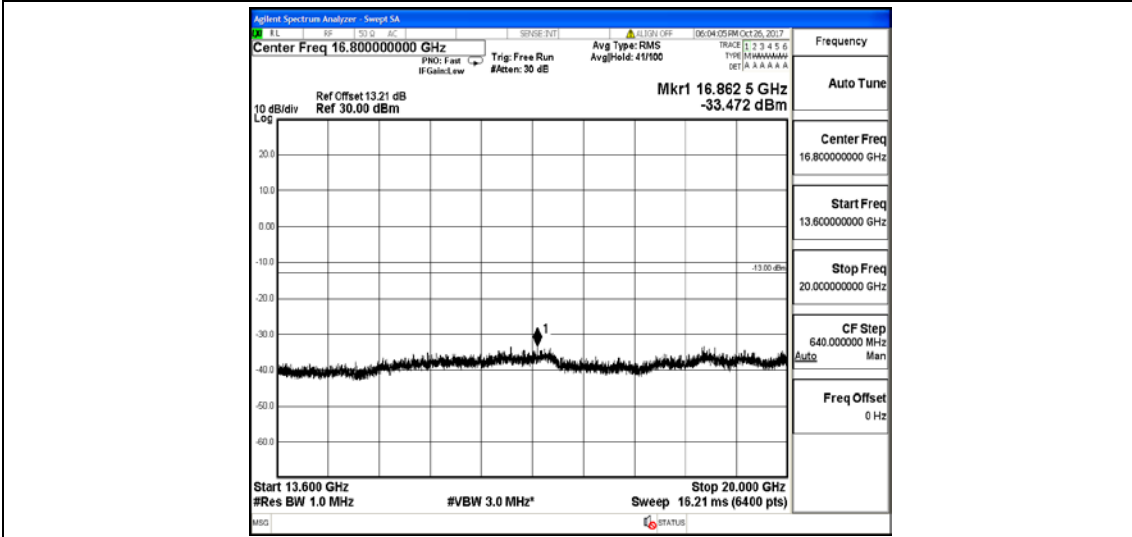


Band II\_9400\_7000~13600\_-36.08\_-13\_PASS

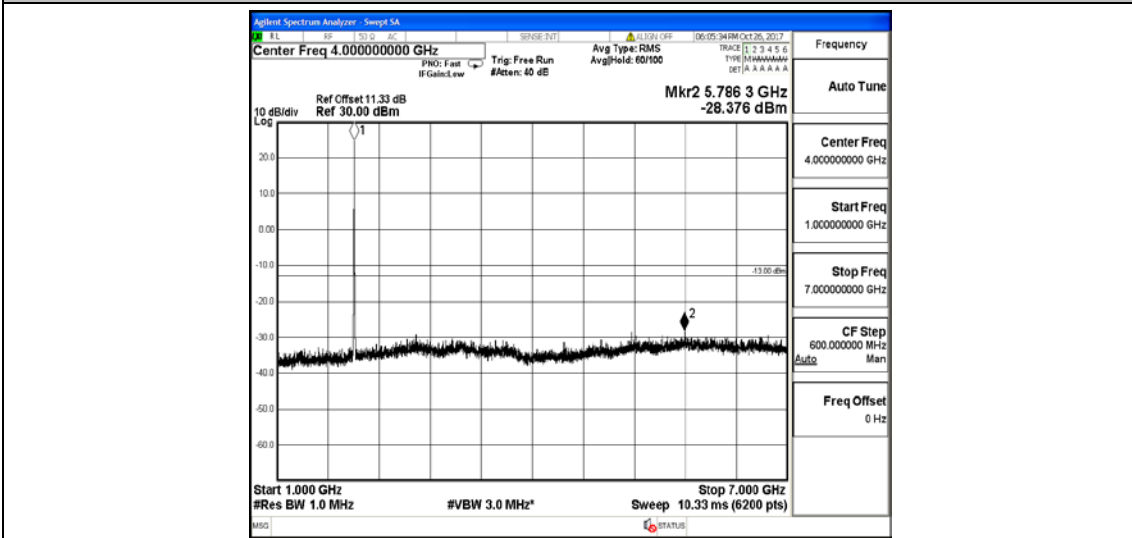




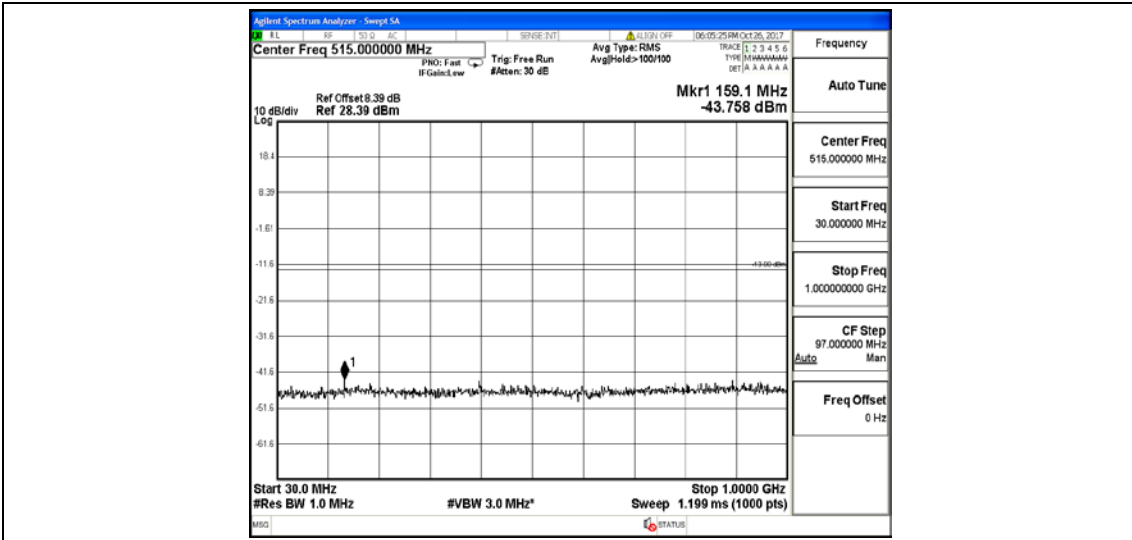
Band II\_9400\_13600~20000\_-33.47\_-13\_PASS



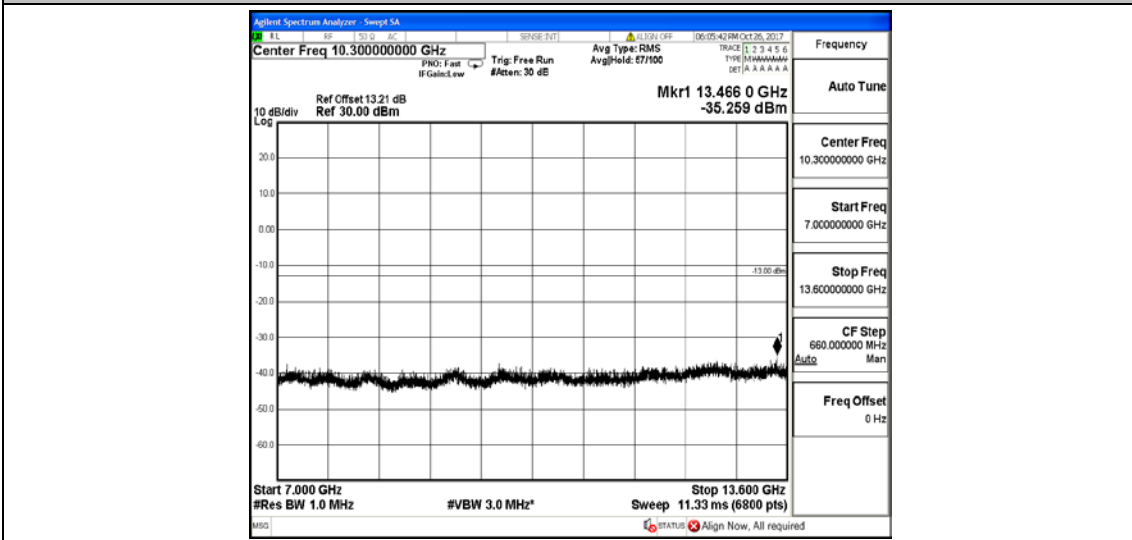
Band II\_9538\_1000~7000\_-28.38\_-13\_PASS



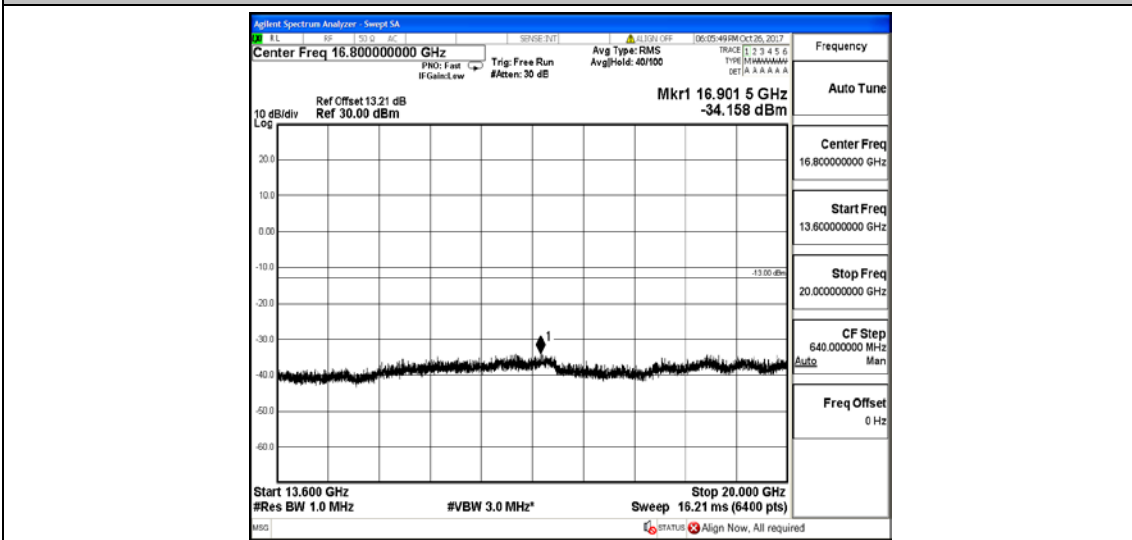
Band II\_9538\_30~1000\_-43.76\_-13\_PASS



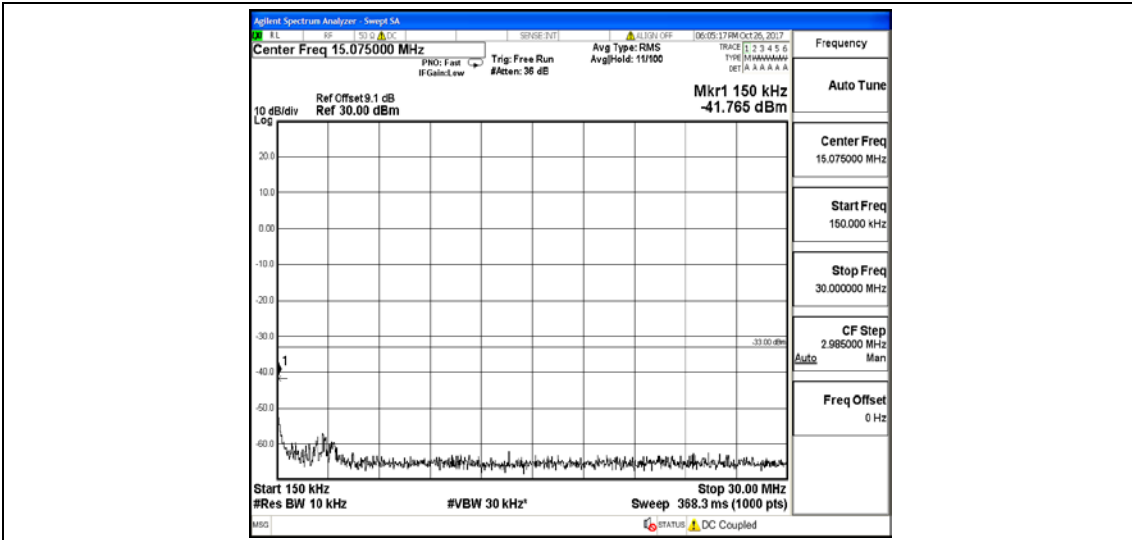
Band II\_9538\_7000~13600\_-35.26\_-13\_PASS



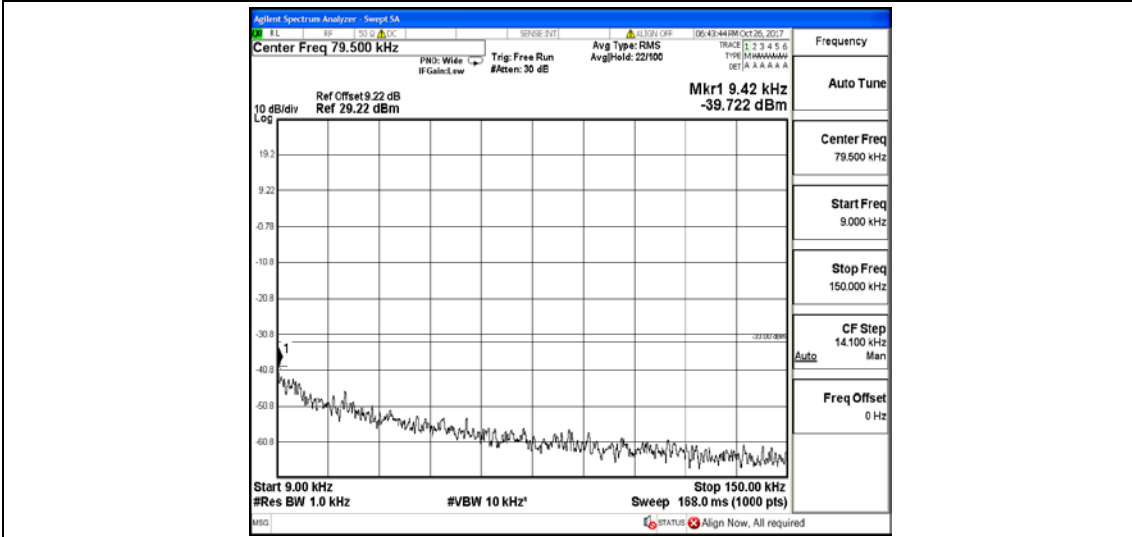
Band II\_9538\_13600~20000\_-34.16\_-13\_PASS



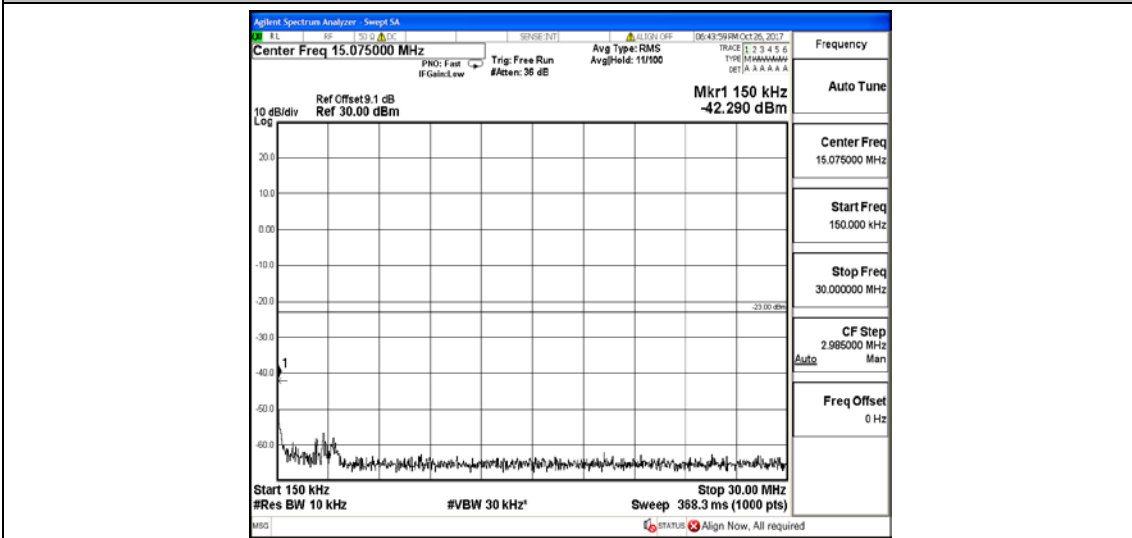
Band II\_9538\_0.15~30\_-41.77\_-13\_PASS



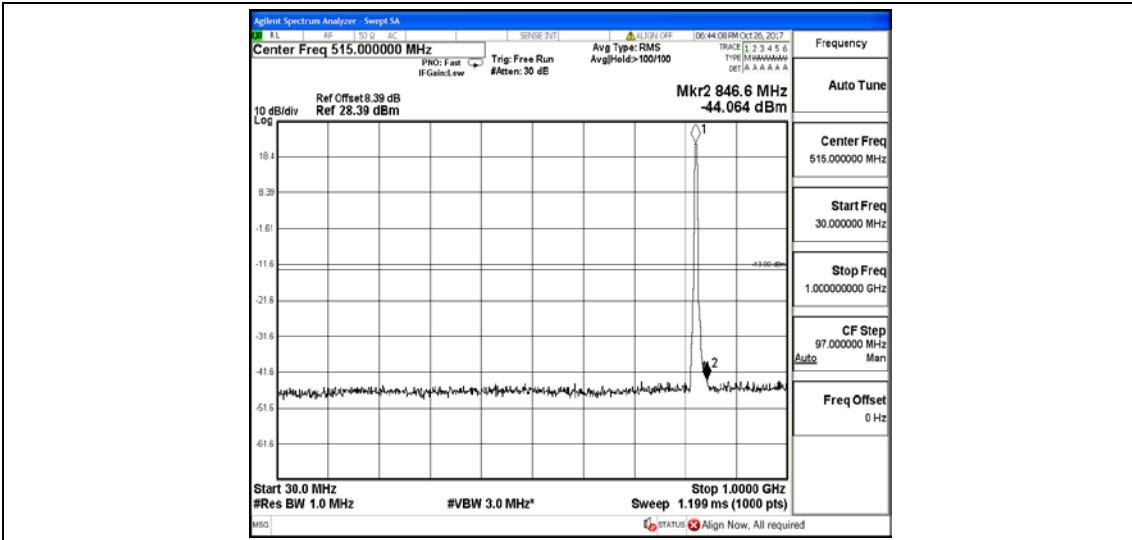
Band V\_4132\_0.009~0.15\_-39.72\_-13\_PASS



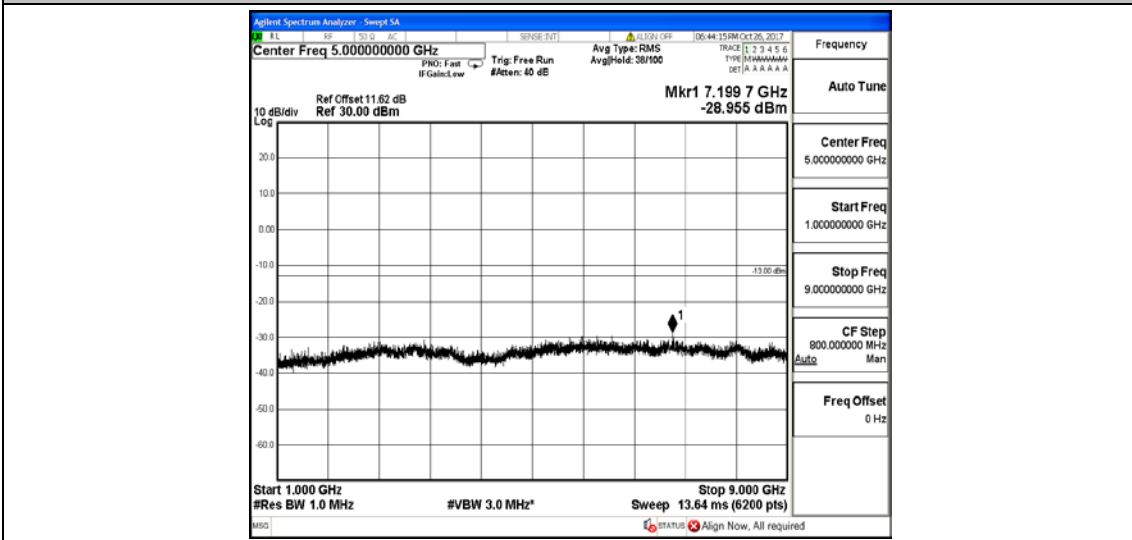
Band V\_4132\_0.15~30\_-42.29\_-13\_PASS



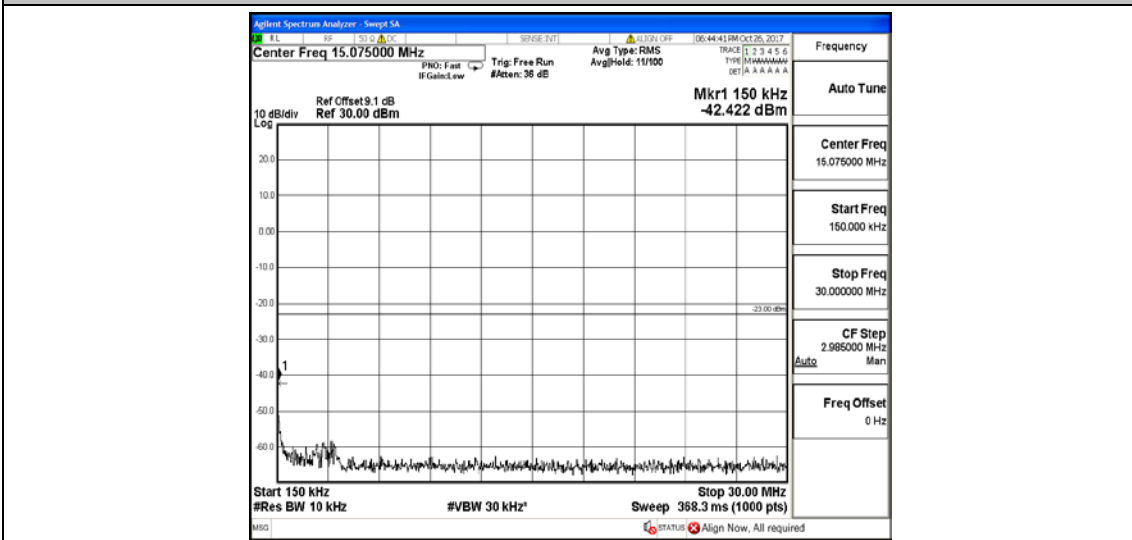
Band V\_4132\_30~1000\_-44.06\_-13\_PASS



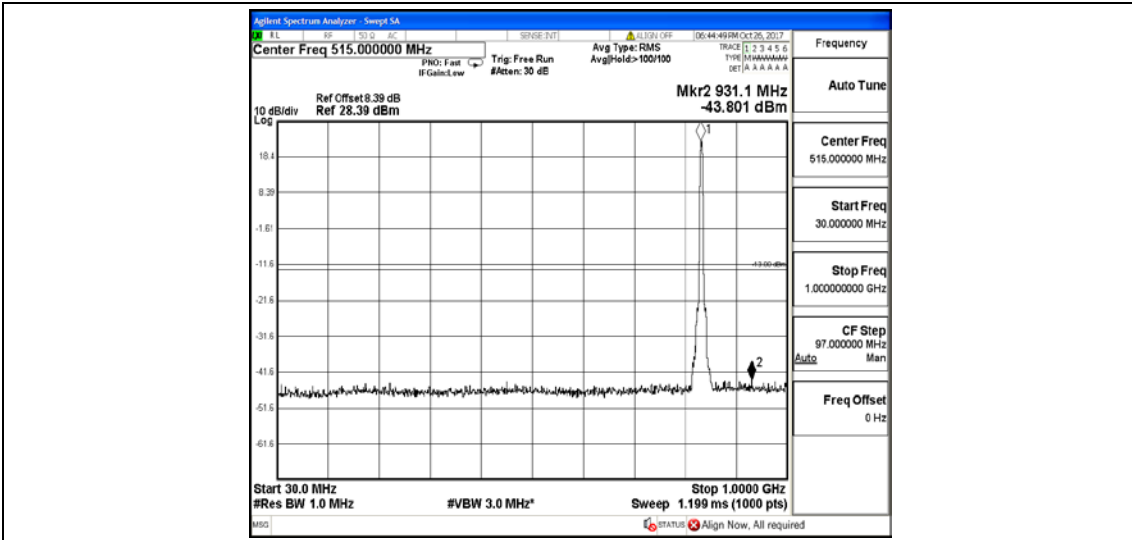
Band V\_4132\_1000~9000\_-28.96\_-13\_PASS



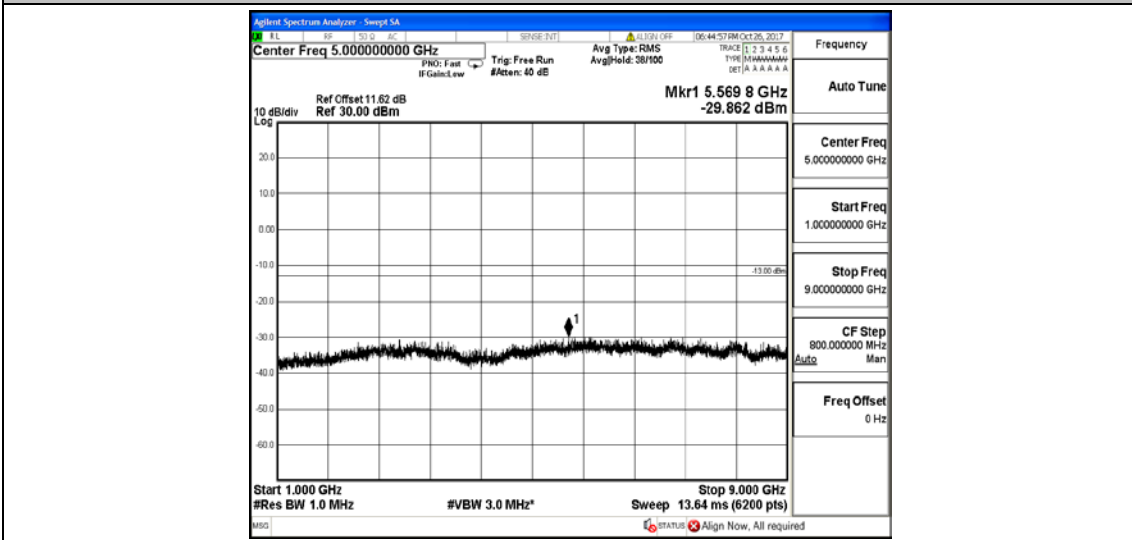
Band V\_4182\_0.15~30\_-42.42\_-13\_PASS



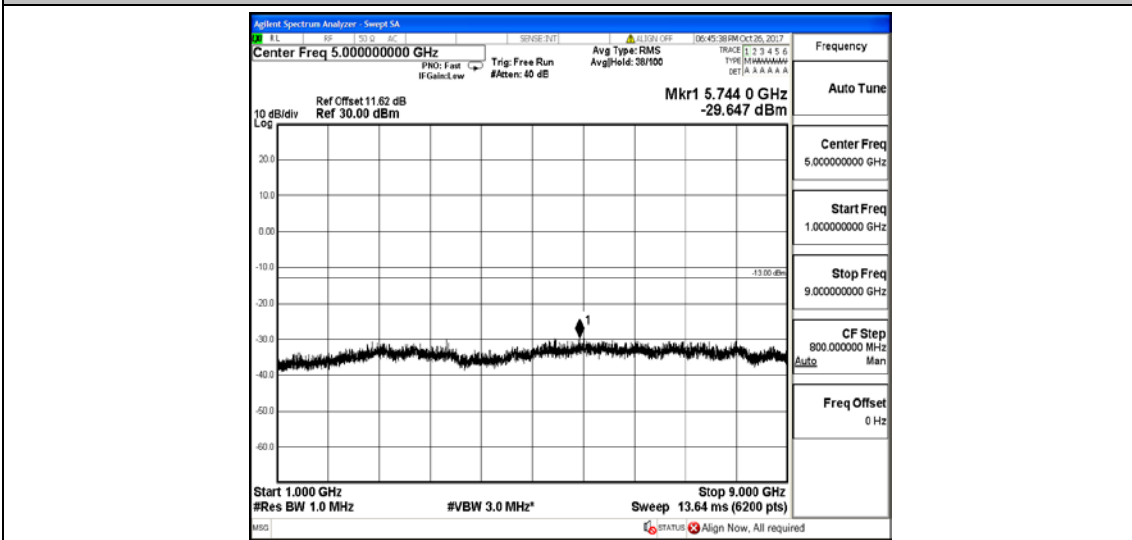
Band V\_4182\_30~1000\_-43.80\_-13\_PASS



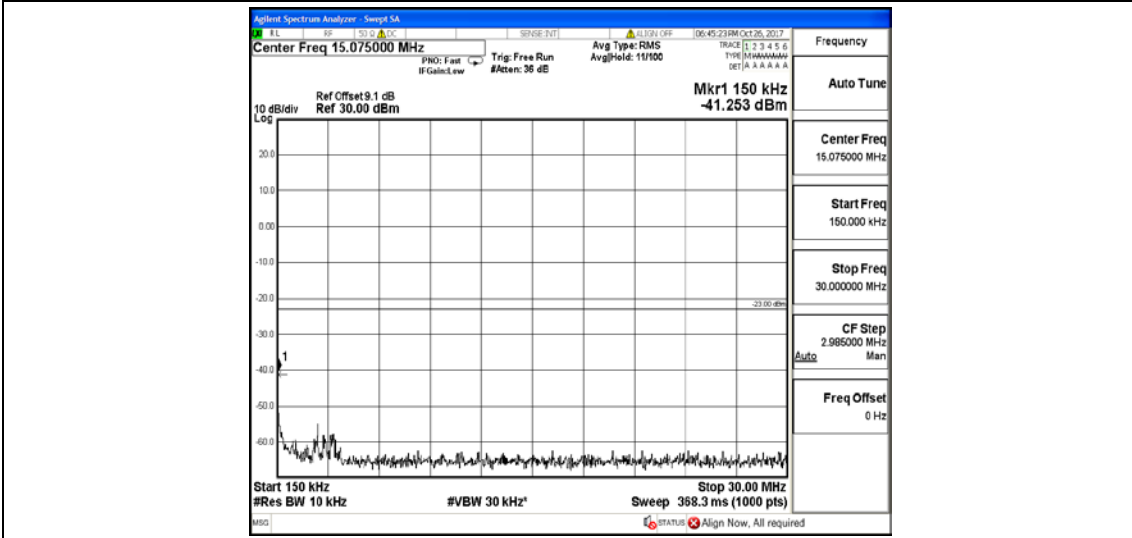
Band V\_4182\_1000~9000\_-29.86\_-13\_PASS



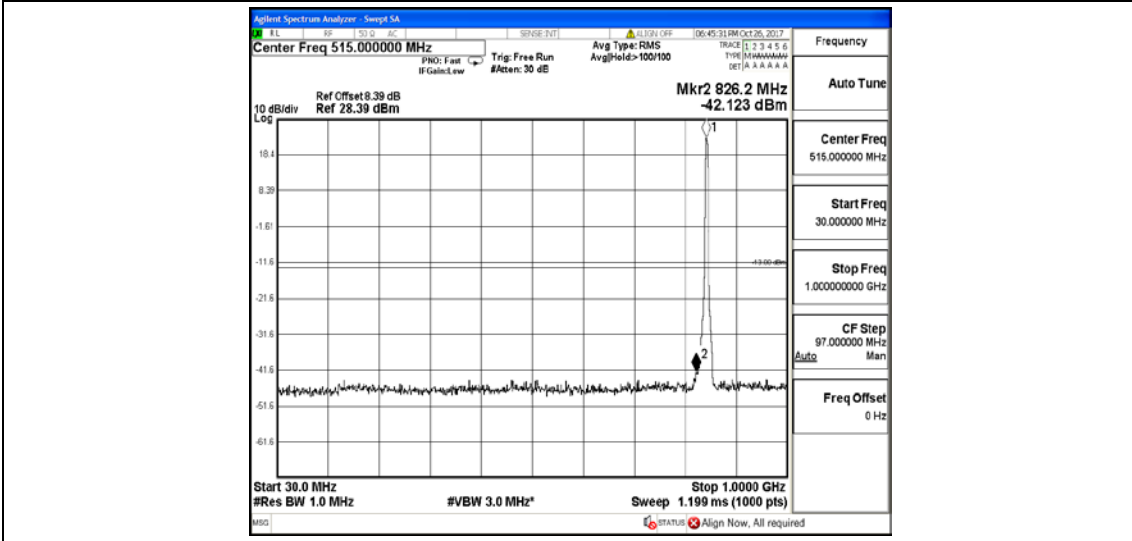
Band V\_4233\_1000~9000\_-29.65\_-13\_PASS



Band V\_4233\_0.15~30\_-41.25\_-13\_PASS



Band V\_4233\_30~1000\_-42.12\_-13\_PASS



## Appendix D.6: Frequency Stability

### Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9262	VH	NT	0.14	0.000074	2.5	PASS
Band II	9262	VL	NT	-2.01	-0.001087	2.5	PASS
Band II	9262	VN	NT	1.19	0.000643	2.5	PASS
Band II	9400	VH	NT	4.70	0.002500	2.5	PASS
Band II	9400	VL	NT	-0.09	-0.000049	2.5	PASS
Band II	9400	VN	NT	-0.27	-0.000146	2.5	PASS
Band II	9538	VH	NT	-1.42	-0.000744	2.5	PASS
Band II	9538	VL	NT	-0.95	-0.000496	2.5	PASS
Band II	9538	VN	NT	3.43	0.001800	2.5	PASS
Band V	4132	VH	NT	2.66	0.003213	2.5	PASS
Band V	4132	VL	NT	1.51	0.001828	2.5	PASS
Band V	4132	VN	NT	-0.75	-0.000905	2.5	PASS
Band V	4182	VH	NT	5.58	0.006677	2.5	PASS
Band V	4182	VL	NT	4.07	0.004871	2.5	PASS
Band V	4182	VN	NT	2.06	0.002463	2.5	PASS
Band V	4233	VH	NT	0.32	0.000378	2.5	PASS
Band V	4233	VL	NT	-1.51	-0.001784	2.5	PASS
Band V	4233	VN	NT	0.24	0.000288	2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9262	NV	0	-2.11	-0.001137	2.5	PASS
Band II	9262	NV	10	1.62	0.000873	2.5	PASS
Band II	9262	NV	-10	-0.92	-0.000494	2.5	PASS
Band II	9262	NV	20	-1.17	-0.000634	2.5	PASS
Band II	9262	NV	-20	-0.34	-0.000181	2.5	PASS
Band II	9262	NV	30	5.40	0.002916	2.5	PASS
Band II	9262	NV	-30	-4.71	-0.002545	2.5	PASS
Band II	9262	NV	40	-0.50	-0.000272	2.5	PASS
Band II	9262	NV	50	-1.19	-0.000643	2.5	PASS
Band II	9400	NV	0	0.18	0.000097	2.5	PASS
Band II	9400	NV	10	-1.82	-0.000966	2.5	PASS
Band II	9400	NV	-10	-2.91	-0.001550	2.5	PASS
Band II	9400	NV	20	0.34	0.000179	2.5	PASS
Band II	9400	NV	-20	-0.56	-0.000300	2.5	PASS
Band II	9400	NV	30	-4.35	-0.002313	2.5	PASS
Band II	9400	NV	-30	-4.21	-0.002240	2.5	PASS
Band II	9400	NV	40	-3.95	-0.002102	2.5	PASS
Band II	9400	NV	50	-3.34	-0.001777	2.5	PASS
Band II	9538	NV	0	2.46	0.001288	2.5	PASS

Band II	9538	NV	10	2.01	0.001056	2.5	PASS
Band II	9538	NV	-10	-1.71	-0.000896	2.5	PASS
Band II	9538	NV	20	-3.51	-0.001840	2.5	PASS
Band II	9538	NV	-20	-0.34	-0.000176	2.5	PASS
Band II	9538	NV	30	3.34	0.001752	2.5	PASS
Band II	9538	NV	-30	-1.36	-0.000712	2.5	PASS
Band II	9538	NV	40	1.33	0.000696	2.5	PASS
Band II	9538	NV	50	0.69	0.000360	2.5	PASS
Band V	4132	NV	0	1.88	0.002271	2.5	PASS
Band V	4132	NV	10	-0.41	-0.000499	2.5	PASS
Band V	4132	NV	-10	0.35	0.000425	2.5	PASS
Band V	4132	NV	20	6.26	0.007570	2.5	PASS
Band V	4132	NV	-20	-0.15	-0.000185	2.5	PASS
Band V	4132	NV	30	2.30	0.002788	2.5	PASS
Band V	4132	NV	-30	-0.29	-0.000351	2.5	PASS
Band V	4132	NV	40	-1.01	-0.001219	2.5	PASS
Band V	4132	NV	50	1.04	0.001256	2.5	PASS
Band V	4182	NV	0	0.73	0.000876	2.5	PASS
Band V	4182	NV	10	0.55	0.000657	2.5	PASS
Band V	4182	NV	-10	8.00	0.009560	2.5	PASS
Band V	4182	NV	20	7.42	0.008866	2.5	PASS
Band V	4182	NV	-20	3.13	0.003740	2.5	PASS
Band V	4182	NV	30	-0.03	-0.000036	2.5	PASS
Band V	4182	NV	-30	0.69	0.000821	2.5	PASS
Band V	4182	NV	40	3.65	0.004360	2.5	PASS
Band V	4182	NV	50	4.93	0.005893	2.5	PASS
Band V	4233	NV	0	1.68	0.001983	2.5	PASS
Band V	4233	NV	10	2.44	0.002884	2.5	PASS
Band V	4233	NV	-10	1.01	0.001190	2.5	PASS
Band V	4233	NV	20	-1.25	-0.001478	2.5	PASS
Band V	4233	NV	-20	-2.43	-0.002866	2.5	PASS
Band V	4233	NV	30	0.44	0.000523	2.5	PASS
Band V	4233	NV	-30	-2.26	-0.002667	2.5	PASS
Band V	4233	NV	40	0.58	0.000685	2.5	PASS
Band V	4233	NV	50	0.72	0.000847	2.5	PASS