

**AppendixA: Effective (Isotropic) Radiated Power Output Data**
**Test Result**

Band	Type	Channel	Conducted Power (dBm)	Unflip ERP/EIRP (dBm)	Flip ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	Voice	9262	22.16	21.86	16.03	33.01	PASS
Band2	TestMode	9262	22.19	21.89	16.06	33.01	PASS
Band2	TestMode	9400	22.33	22.03	16.2	33.01	PASS
Band2	Voice	9400	22.37	22.07	16.24	33.01	PASS
Band2	TestMode	9538	22.16	21.86	16.03	33.01	PASS
Band2	Voice	9538	22.17	21.87	16.04	33.01	PASS
Band4	Voice	1312	22.47	22.17	16.34	30.00	PASS
Band4	TestMode	1312	22.57	22.27	16.44	30.00	PASS
Band4	TestMode	1413	22.65	22.35	16.52	30.00	PASS
Band4	Voice	1413	22.69	22.39	16.56	30.00	PASS
Band4	Voice	1513	22.51	22.21	16.38	30.00	PASS
Band4	TestMode	1513	22.45	22.15	16.32	30.00	PASS
Band5	TestMode	4132	22.54	13.36	8.61	38.45	PASS
Band5	Voice	4132	23.07	13.89	9.14	38.45	PASS
Band5	TestMode	4183	23.03	13.85	11.25	38.45	PASS
Band5	Voice	4183	22.97	13.79	11.19	38.45	PASS
Band5	Voice	4233	22.98	13.8	11.2	38.45	PASS
Band5	TestMode	4233	22.91	13.73	11.13	38.45	PASS

**Test Result(HSDPA)**

Band	Channel	SubTest	Conducted Power (dBm)	Unflip ERP/EIRP (dBm)	Flip ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.25	21.95	16.12	33.01	PASS
Band2	9262	2	21.69	21.39	15.56	33.01	PASS
Band2	9262	3	21.75	21.45	15.62	33.01	PASS
Band2	9262	4	21.70	21.4	15.57	33.01	PASS
Band2	9400	1	22.35	22.05	16.22	33.01	PASS
Band2	9400	2	21.80	21.5	15.67	33.01	PASS
Band2	9400	3	21.83	21.53	15.7	33.01	PASS
Band2	9400	4	21.80	21.5	15.67	33.01	PASS
Band2	9538	1	22.19	21.89	16.06	33.01	PASS
Band2	9538	2	21.62	21.32	15.49	33.01	PASS
Band2	9538	3	21.67	21.37	15.54	33.01	PASS
Band2	9538	4	21.68	21.38	15.55	33.01	PASS
Band4	1312	1	22.61	22.31	16.48	30.00	PASS

Band4	1312	2	22.05	21.75	15.92	30.00	PASS
Band4	1312	3	22.11	21.81	15.98	30.00	PASS
Band4	1312	4	22.07	21.77	15.94	30.00	PASS
Band4	1413	1	22.68	22.38	16.55	30.00	PASS
Band4	1413	2	22.15	21.85	16.02	30.00	PASS
Band4	1413	3	22.20	21.9	16.07	30.00	PASS
Band4	1413	4	22.15	21.85	16.02	30.00	PASS
Band4	1513	1	22.51	22.21	16.38	30.00	PASS
Band4	1513	2	21.98	21.68	15.85	30.00	PASS
Band4	1513	3	22.03	21.73	15.9	30.00	PASS
Band4	1513	4	21.97	21.67	15.84	30.00	PASS
Band5	4132	1	23.08	13.9	11.3	38.5	PASS
Band5	4132	2	22.57	13.39	10.79	38.5	PASS
Band5	4132	3	22.61	13.43	10.83	38.5	PASS
Band5	4132	4	22.58	13.4	10.8	38.5	PASS
Band5	4183	1	22.96	13.78	11.18	38.5	PASS
Band5	4183	2	22.48	13.3	10.7	38.5	PASS
Band5	4183	3	22.51	13.33	10.73	38.5	PASS
Band5	4183	4	22.45	13.27	10.67	38.5	PASS
Band5	4233	1	22.95	13.77	11.17	38.5	PASS
Band5	4233	2	22.46	13.28	10.68	38.5	PASS
Band5	4233	3	22.51	13.33	10.73	38.5	PASS
Band5	4233	4	22.45	13.27	10.67	38.5	PASS

**Test Result(HSUPA)**

Band	Channel	SubTest	Conducted Power (dBm)	Unflip ERP/EIRP (dBm)	Flip ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.16	19.86	14.03	33.01	PASS
Band2	9262	2	20.65	20.35	14.52	33.01	PASS
Band2	9262	3	21.20	20.9	15.07	33.01	PASS
Band2	9262	4	20.18	19.88	14.05	33.01	PASS
Band2	9262	5	22.20	21.9	16.07	33.01	PASS
Band2	9400	1	20.28	19.98	14.15	33.01	PASS
Band2	9400	2	20.80	20.5	14.67	33.01	PASS
Band2	9400	3	21.33	21.03	15.2	33.01	PASS
Band2	9400	4	20.35	20.05	14.22	33.01	PASS
Band2	9400	5	22.34	22.04	16.21	33.01	PASS
Band2	9538	1	20.13	19.83	14	33.01	PASS
Band2	9538	2	20.61	20.31	14.48	33.01	PASS
Band2	9538	3	21.14	20.84	15.01	33.01	PASS
Band2	9538	4	20.16	19.86	14.03	33.01	PASS
Band2	9538	5	22.16	21.86	16.03	33.01	PASS
Band4	1312	1	20.73	20.43	14.6	30.00	PASS

Band4	1312	2	21.26	20.96	15.13	30.00	PASS
Band4	1312	3	21.57	21.27	15.44	30.00	PASS
Band4	1312	4	20.78	20.48	14.65	30.00	PASS
Band4	1312	5	22.62	22.32	16.49	30.00	PASS
Band4	1413	1	20.83	20.53	14.7	30.00	PASS
Band4	1413	2	21.33	21.03	15.2	30.00	PASS
Band4	1413	3	21.64	21.34	15.51	30.00	PASS
Band4	1413	4	20.86	20.56	14.73	30.00	PASS
Band4	1413	5	22.66	22.36	16.53	30.00	PASS
Band4	1513	1	20.63	20.33	14.5	30.00	PASS
Band4	1513	2	21.16	20.86	15.03	30.00	PASS
Band4	1513	3	21.46	21.16	15.33	30.00	PASS
Band4	1513	4	20.69	20.39	14.56	30.00	PASS
Band4	1513	5	22.51	22.21	16.38	30.00	PASS
Band5	4132	1	21.06	11.88	9.28	38.5	PASS
Band5	4132	2	21.56	12.38	9.78	38.5	PASS
Band5	4132	3	22.10	12.92	10.32	38.5	PASS
Band5	4132	4	21.10	11.92	9.32	38.5	PASS
Band5	4132	5	23.08	13.9	11.3	38.5	PASS
Band5	4183	1	20.96	11.78	9.18	38.5	PASS
Band5	4183	2	21.45	12.27	9.67	38.5	PASS
Band5	4183	3	21.98	12.8	10.2	38.5	PASS
Band5	4183	4	21.00	11.82	9.22	38.5	PASS
Band5	4183	5	22.98	13.8	11.2	38.5	PASS
Band5	4233	1	20.93	11.75	9.15	38.5	PASS
Band5	4233	2	21.43	12.25	9.65	38.5	PASS
Band5	4233	3	21.94	12.76	10.16	38.5	PASS
Band5	4233	4	20.96	11.78	9.18	38.5	PASS
Band5	4233	5	22.97	13.79	11.19	38.5	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For Band2 &4)

ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For Band5)

Appendix B: Peak-to-Average Ratio

Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.93	13	PASS
Band4	1413	3.08	13	PASS
Band5	4182	3.01	13	PASS

Remark: All channel had been tested, but only the worst case data displayed in this report.

Test Graphs

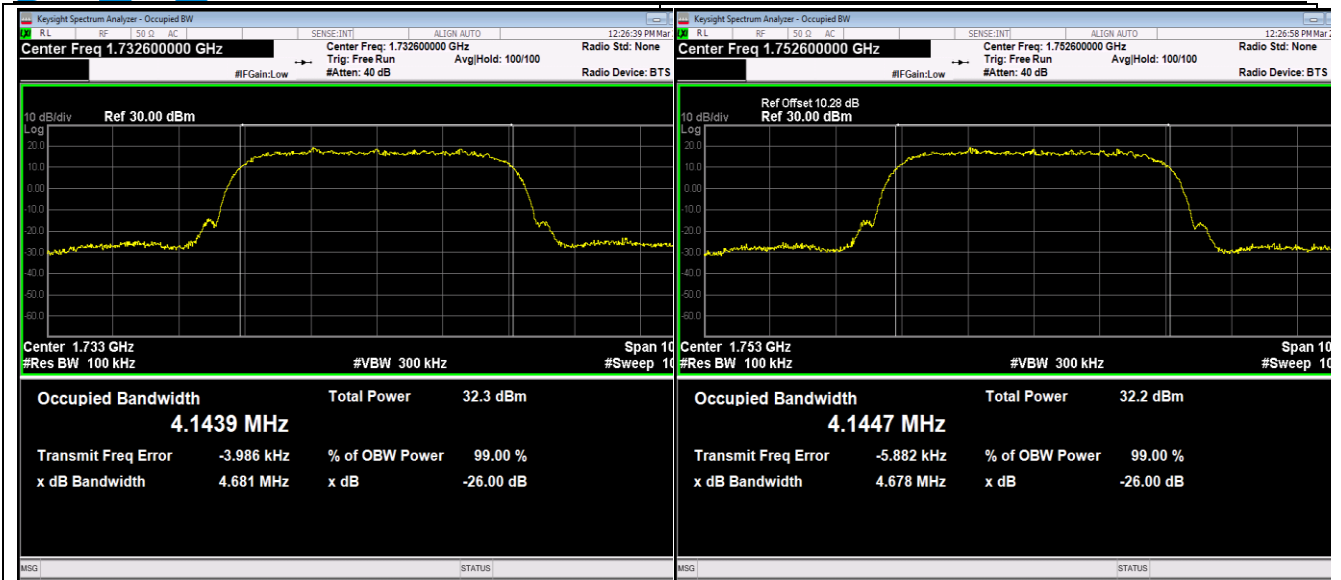


**AppendixC:26dB Bandwidth andOccupied Bandwidth****Test Result**

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	4.1486	4.711	---	PASS
Band2	9400	4.1427	4.687	---	PASS
Band2	9538	4.1374	4.698	---	PASS
Band4	1312	4.1449	4.680	---	PASS
Band4	1413	4.1439	4.681	---	PASS
Band4	1513	4.1447	4.678	---	PASS
Band5	4132	4.1453	4.699	---	PASS
Band5	4182	4.1448	4.689	---	PASS
Band5	4233	4.1547	4.701	---	PASS

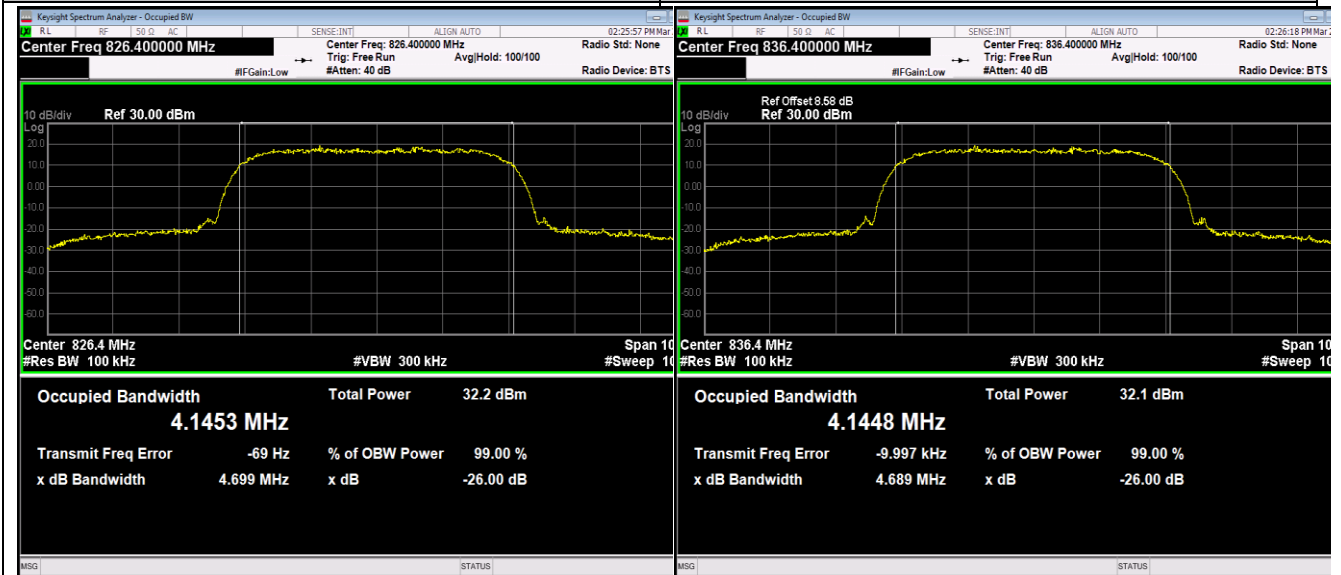
## Test Graphs





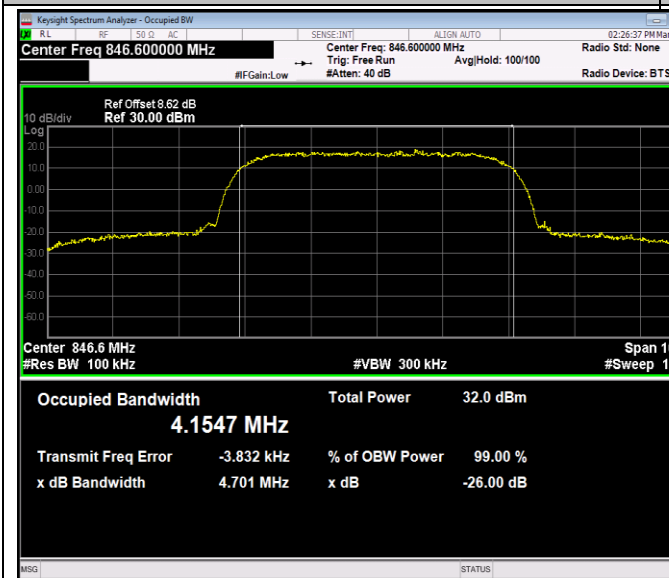
Band4-1413-PASS

Band4-1513-PASS



Band5-4132-PASS

Band5-4182-PASS



Band5-4233-PASS

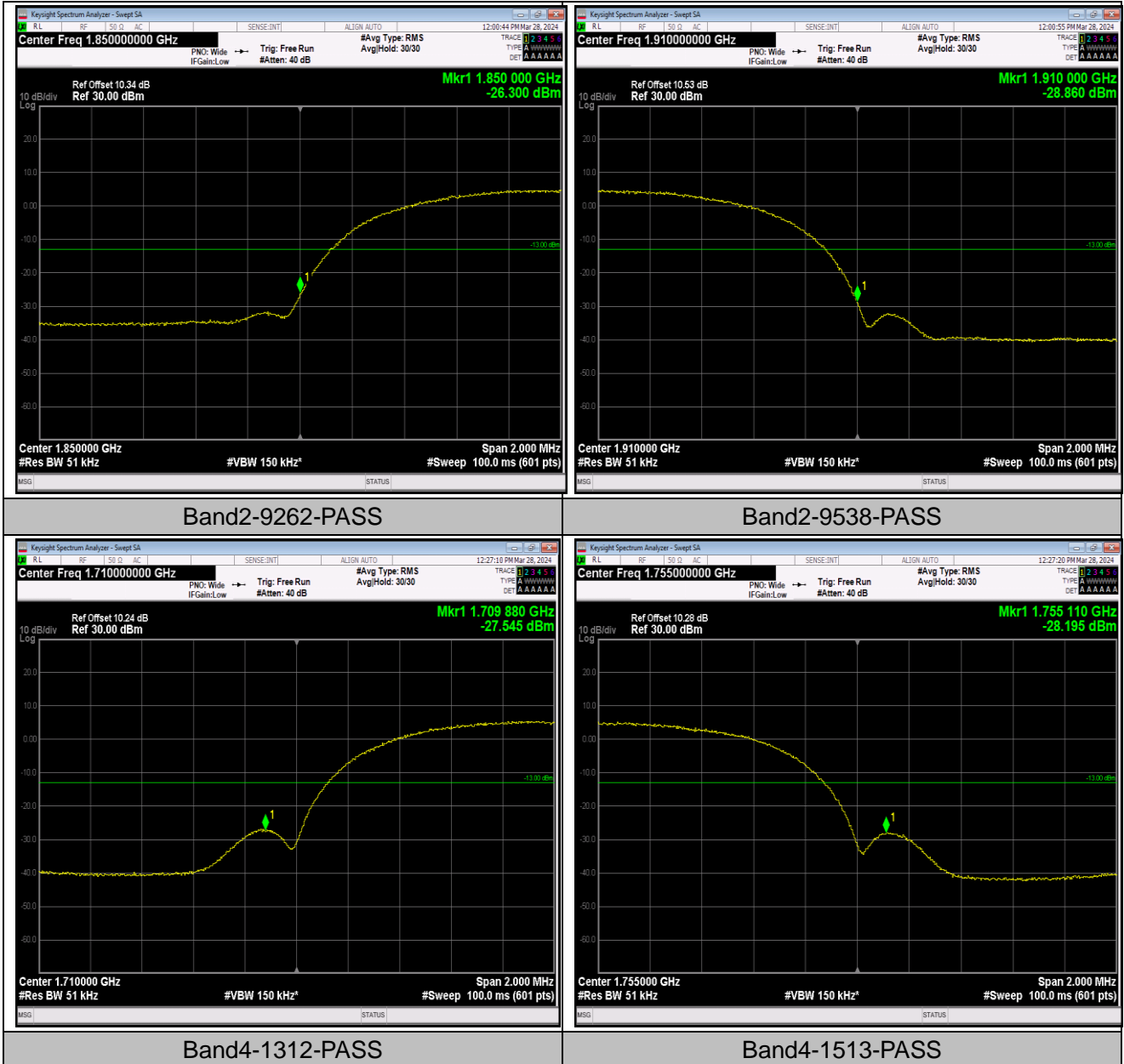
## AppendixD:Band Edge

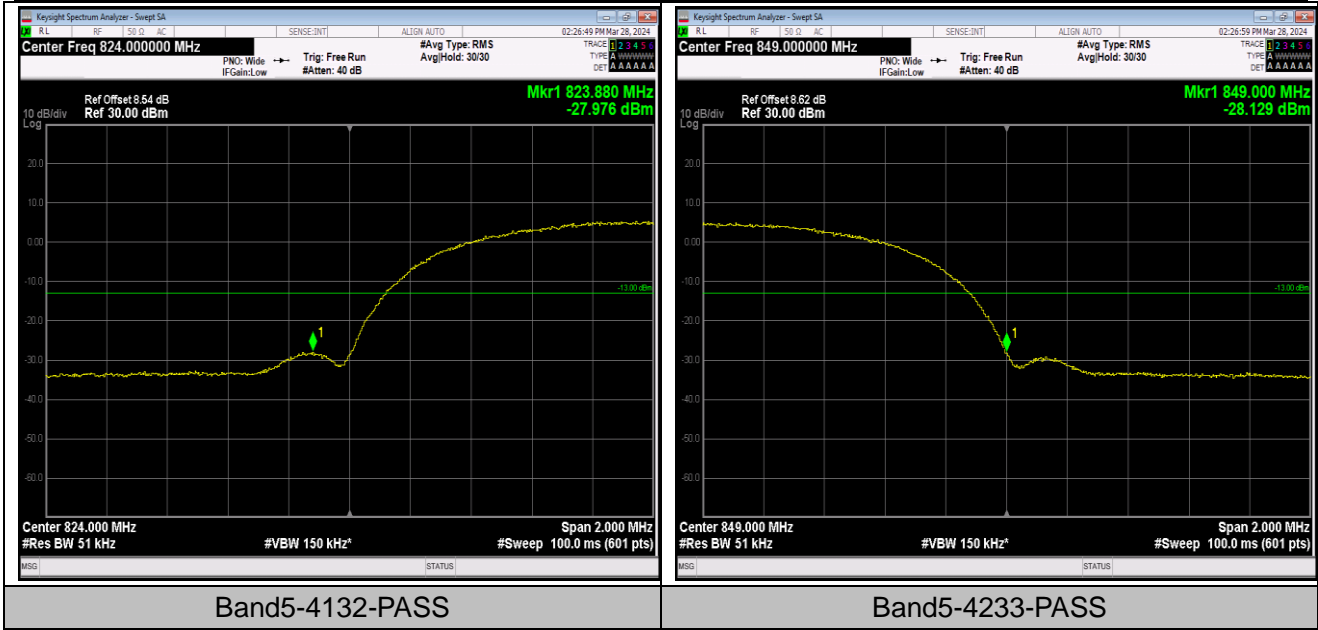
## Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-26.30	-13	PASS
Band2	9538	1910.00	-28.86	-13	PASS
Band4	1312	1709.88	-26.82	-13	PASS
Band4	1513	1755.11	-27.69	-13	PASS
Band5	4132	823.88	-27.98	-13	PASS
Band5	4233	849.00	-28.13	-13	PASS



## Test Graphs

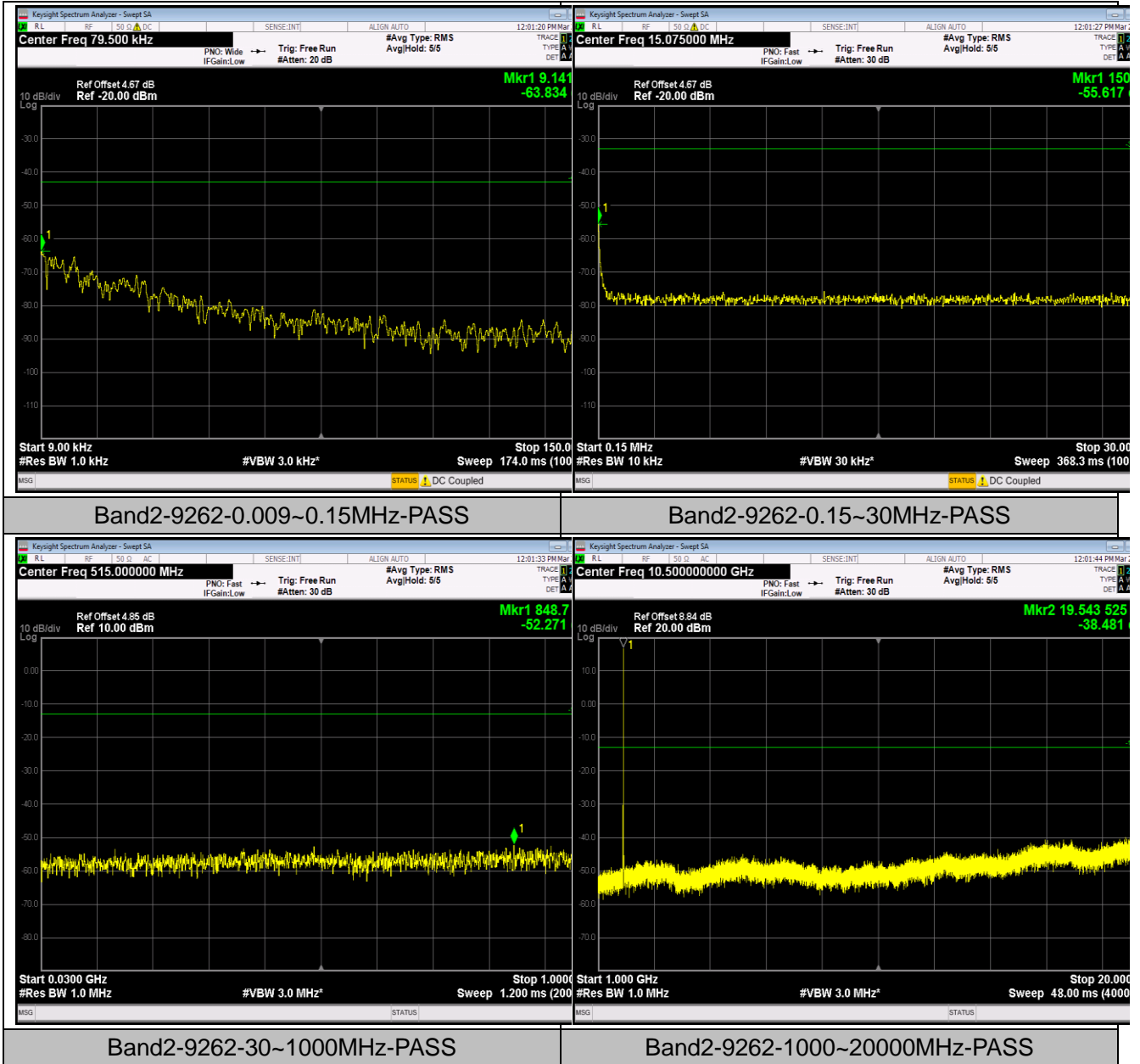


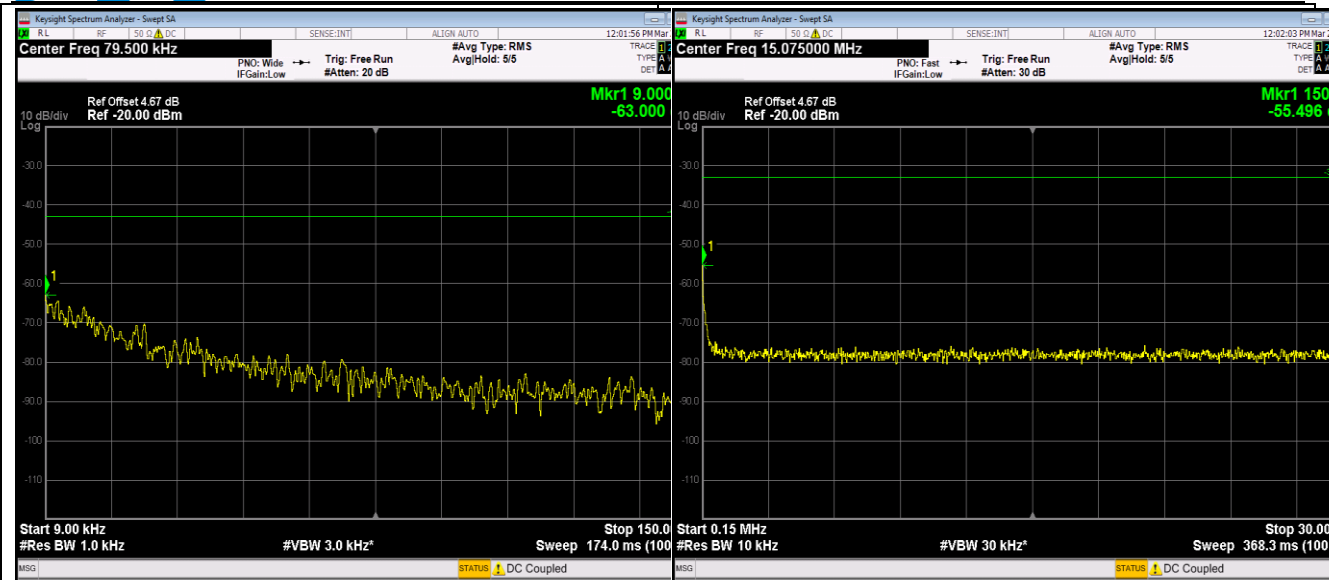


**Appendix E: Conducted Spurious Emission**
**Test Result**

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-63.83	-43	PASS
Band2	9262	0.15~30MHz	0.15	-55.62	-33	PASS
Band2	9262	30~1000MHz	848.68	-52.27	-13	PASS
Band2	9262	1000~20000MHz	19543.53	-38.48	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-63	-43	PASS
Band2	9400	0.15~30MHz	0.15	-55.5	-33	PASS
Band2	9400	30~1000MHz	790	-52.92	-13	PASS
Band2	9400	1000~20000MHz	19689.83	-38.67	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-60.91	-43	PASS
Band2	9538	0.15~30MHz	0.15	-54.94	-33	PASS
Band2	9538	30~1000MHz	736.65	-52.98	-13	PASS
Band2	9538	1000~20000MHz	19914.98	-38.99	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-60.69	-43	PASS
Band4	1312	0.15~30MHz	0.15	-53.71	-33	PASS
Band4	1312	30~1000MHz	844.32	-51.96	-13	PASS
Band4	1312	1000~20000MHz	19989.08	-38.98	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-64.05	-43	PASS
Band4	1413	0.15~30MHz	0.15	-52.84	-33	PASS
Band4	1413	30~1000MHz	792.91	-52.38	-13	PASS
Band4	1413	1000~20000MHz	19432.38	-39.08	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-60.77	-43	PASS
Band4	1513	0.15~30MHz	0.15	-55.95	-33	PASS
Band4	1513	30~1000MHz	897.67	-52.43	-13	PASS
Band4	1513	1000~20000MHz	18635.8	-39.48	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-61.54	-33	PASS
Band5	4132	0.15~30MHz	0.15	-55.31	-23	PASS
Band5	4132	30~1000MHz	969.93	-64.56	-13	PASS
Band5	4132	1000~10000MHz	5951.8	-44.39	-13	PASS
Band5	4182	0.009~0.15MHz	0.01	-62.94	-33	PASS
Band5	4182	0.15~30MHz	0.15	-53.68	-23	PASS
Band5	4182	30~1000MHz	530.04	-64.77	-13	PASS
Band5	4182	1000~10000MHz	7399.9	-45.01	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-61.04	-33	PASS
Band5	4233	0.15~30MHz	0.15	-55.36	-23	PASS
Band5	4233	30~1000MHz	948.11	-65.05	-13	PASS
Band5	4233	1000~10000MHz	5828.5	-44.91	-13	PASS

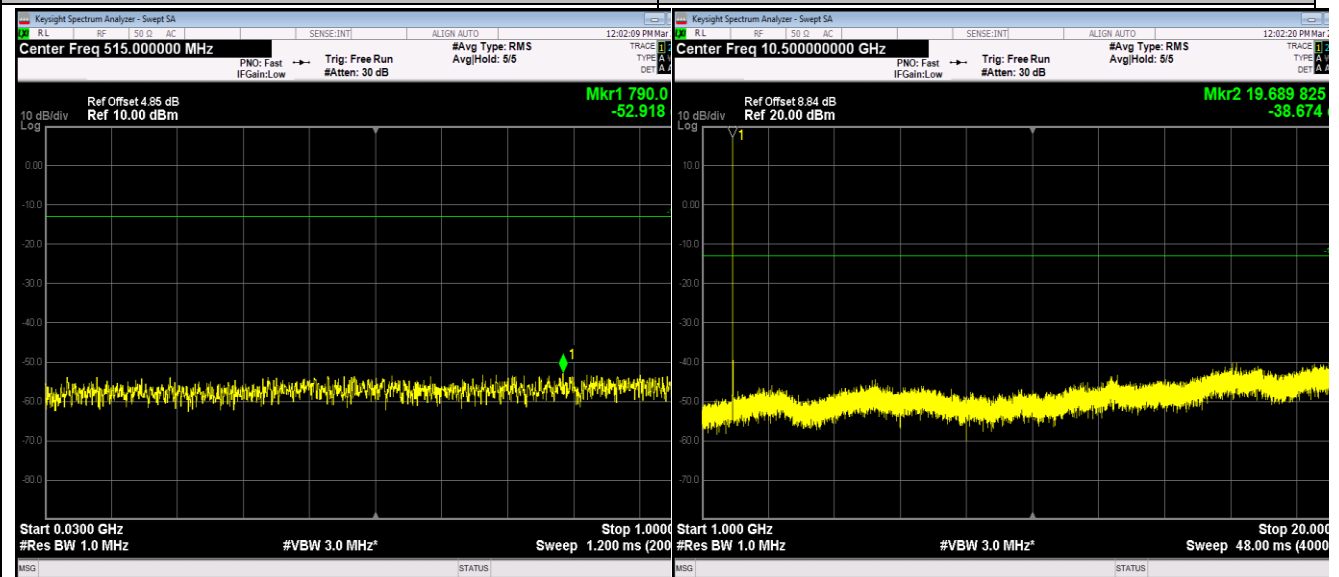
## Test Graphs





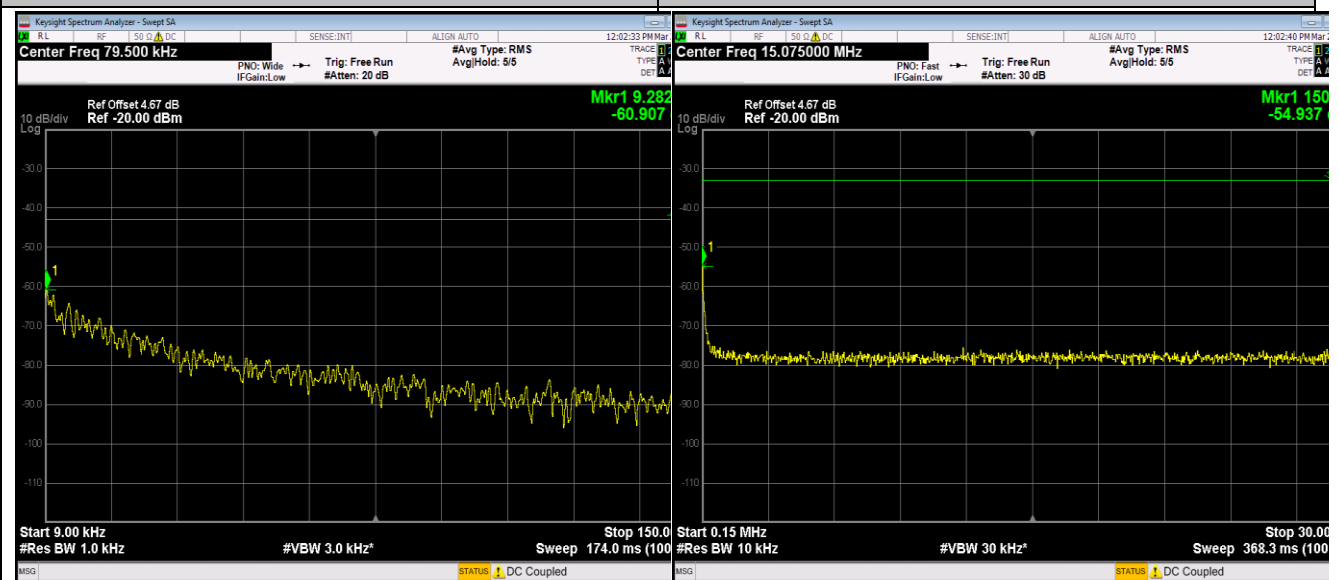
Band2-9400-0.009~0.15MHz-PASS

Band2-9400-0.15~30MHz-PASS



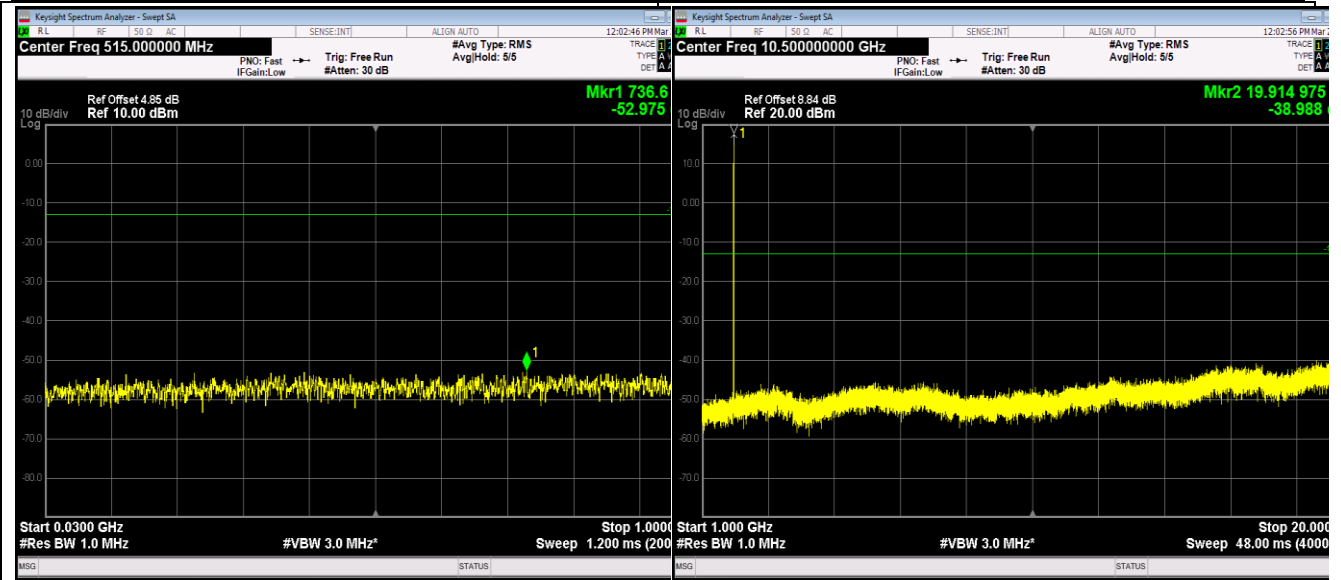
Band2-9400-30~1000MHz-PASS

Band2-9400-1000~20000MHz-PASS



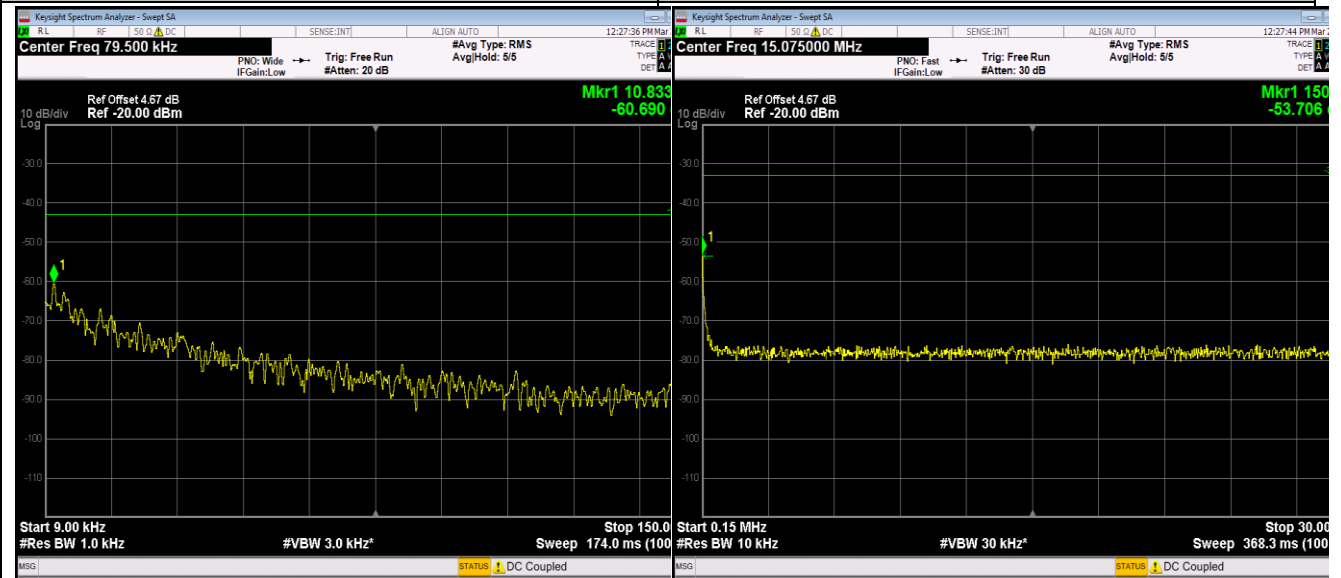
Band2-9538-0.009~0.15MHz-PASS

Band2-9538-0.15~30MHz-PASS



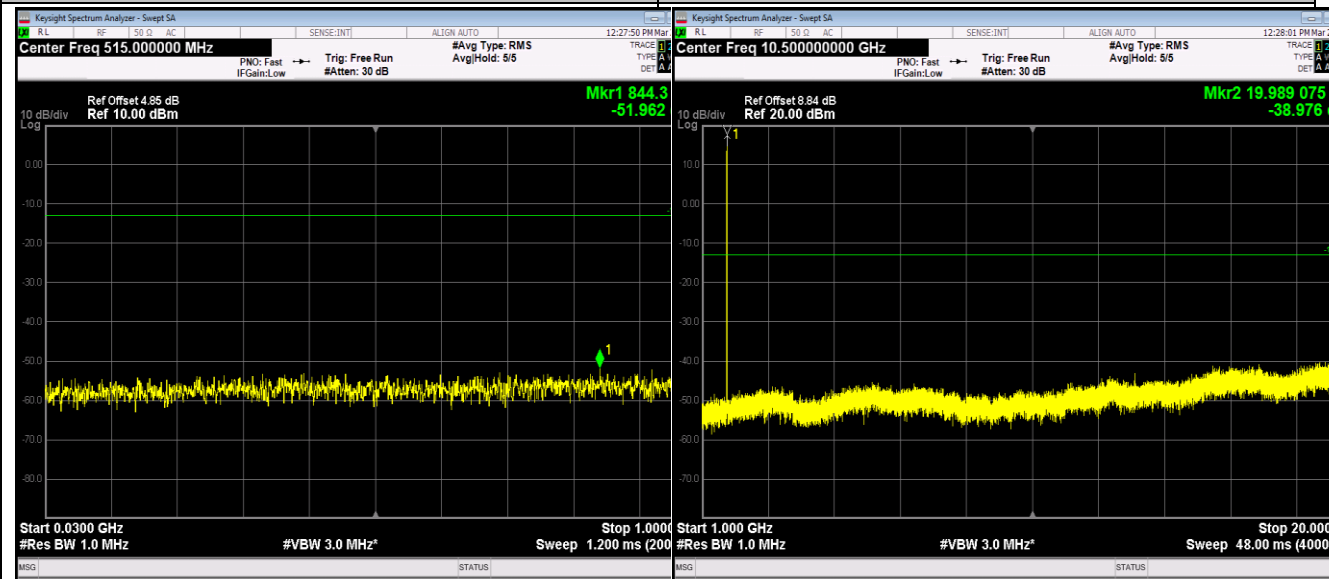
Band2-9538-30~1000MHz-PASS

Band2-9538-1000~20000MHz-PASS



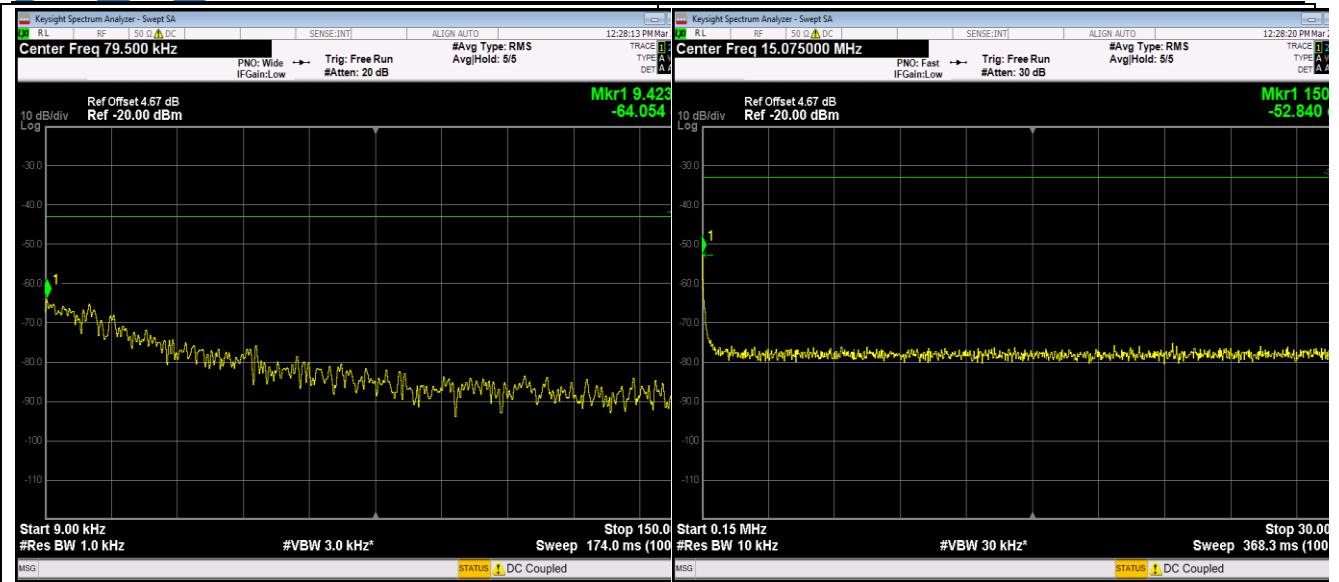
Band4-1312-0.009~0.15MHz-PASS

Band4-1312-0.15~30MHz-PASS



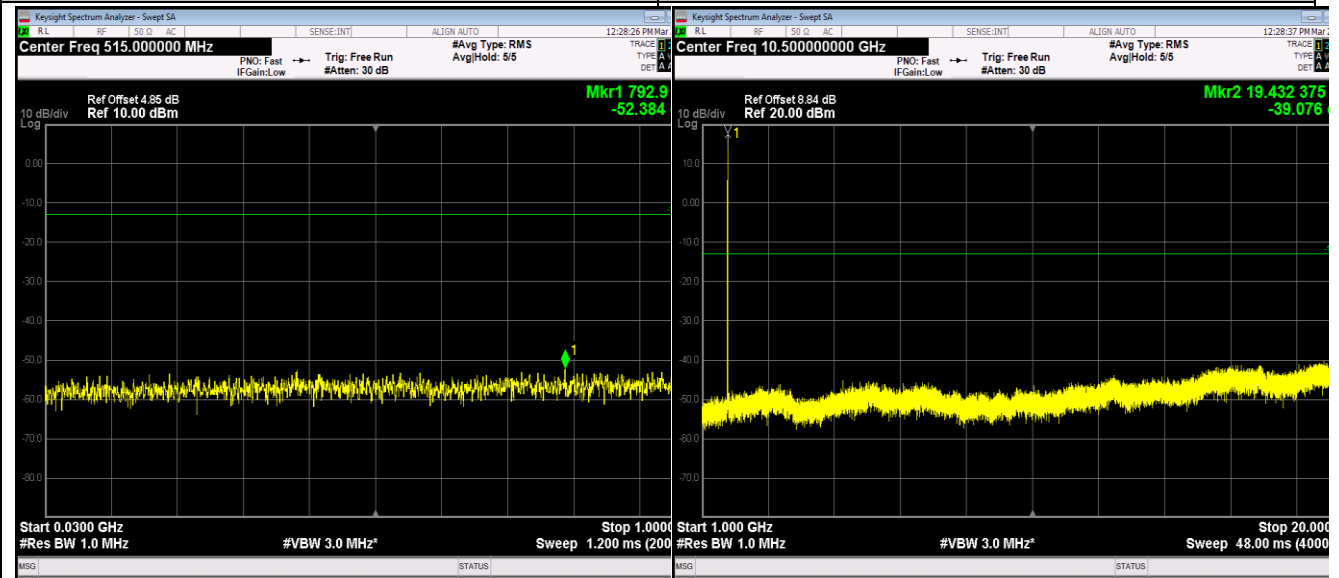
Band4-1312-30~1000MHz-PASS

Band4-1312-1000~20000MHz-PASS



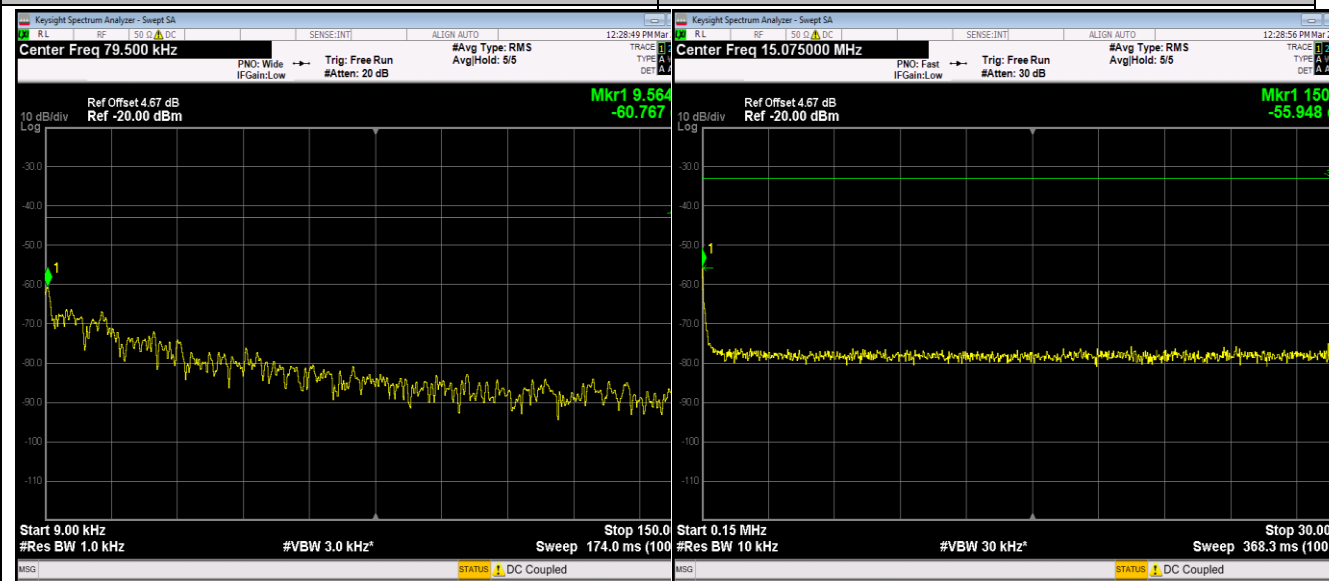
Band4-1413-0.009~0.15MHz-PASS

Band4-1413-0.15~30MHz-PASS



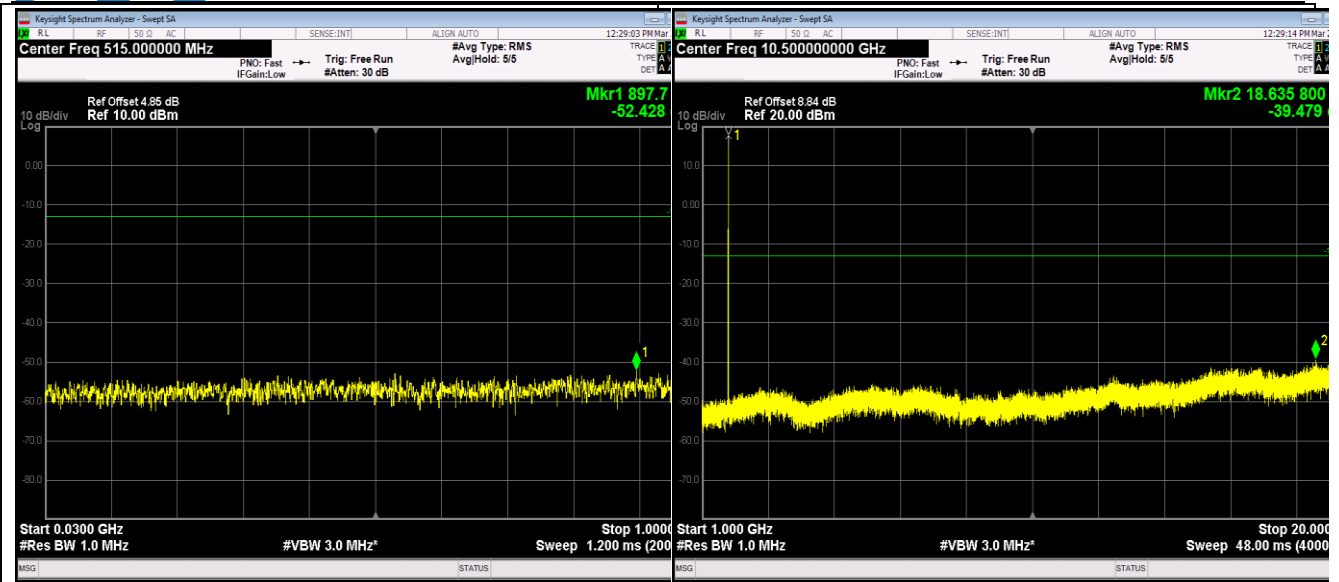
Band4-1413-30~1000MHz-PASS

Band4-1413-1000~20000MHz-PASS



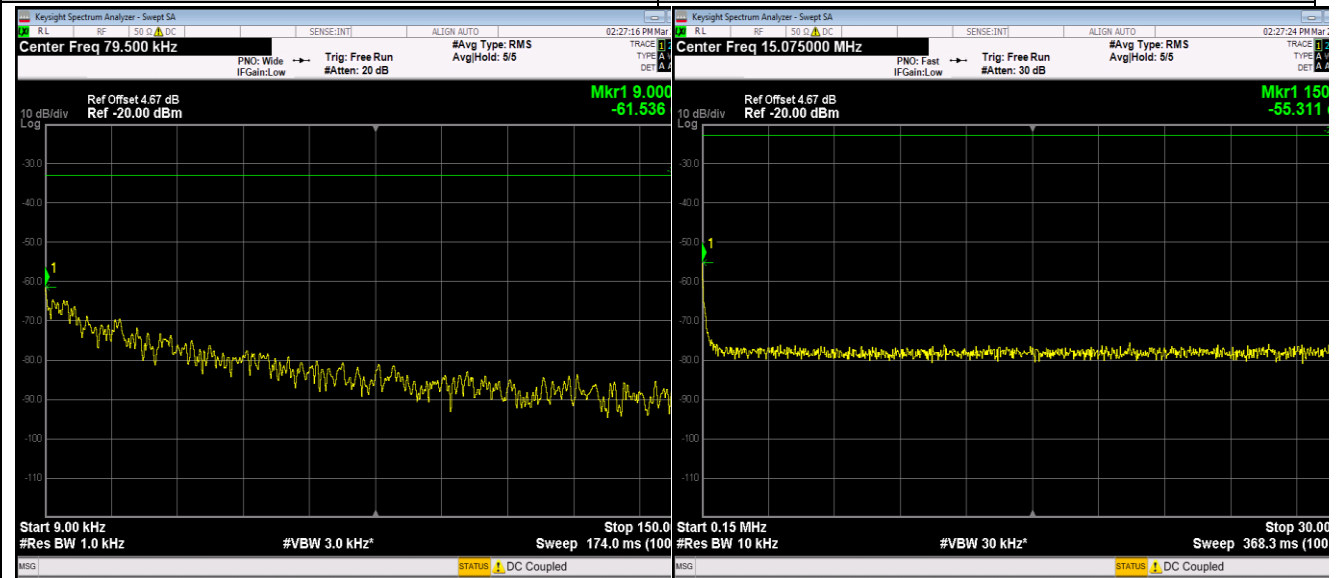
Band4-1513-0.009~0.15MHz-PASS

Band4-1513-0.15~30MHz-PASS



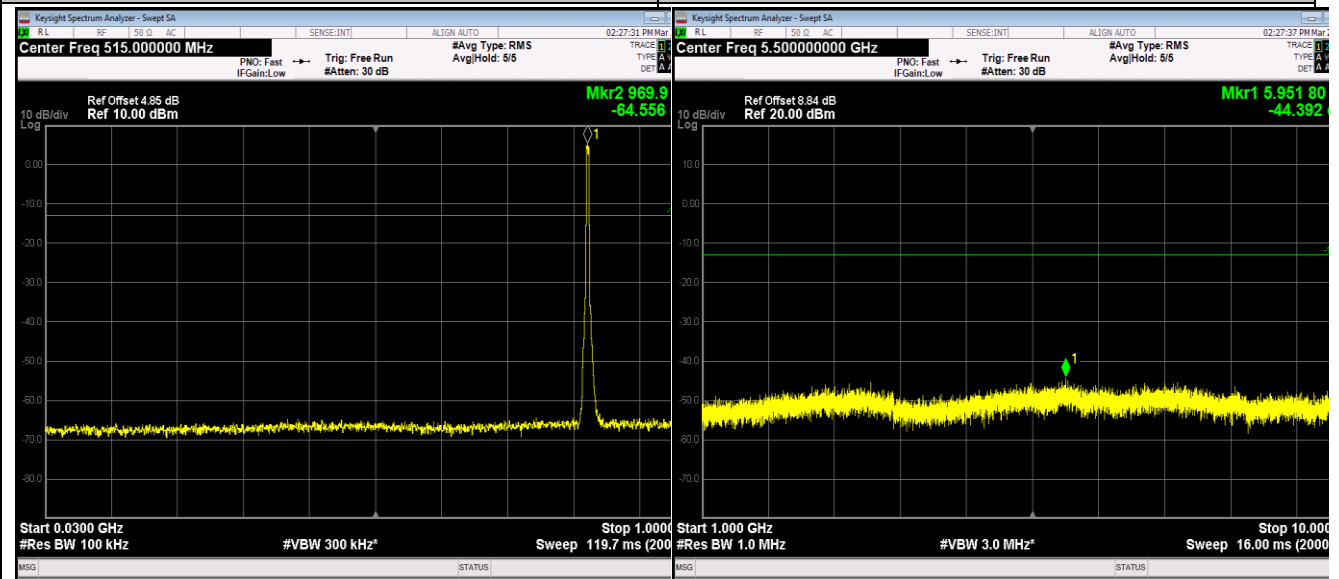
Band4-1513-30~1000MHz-PASS

Band4-1513-1000~20000MHz-PASS



Band5-4132-0.009~0.15MHz-PASS

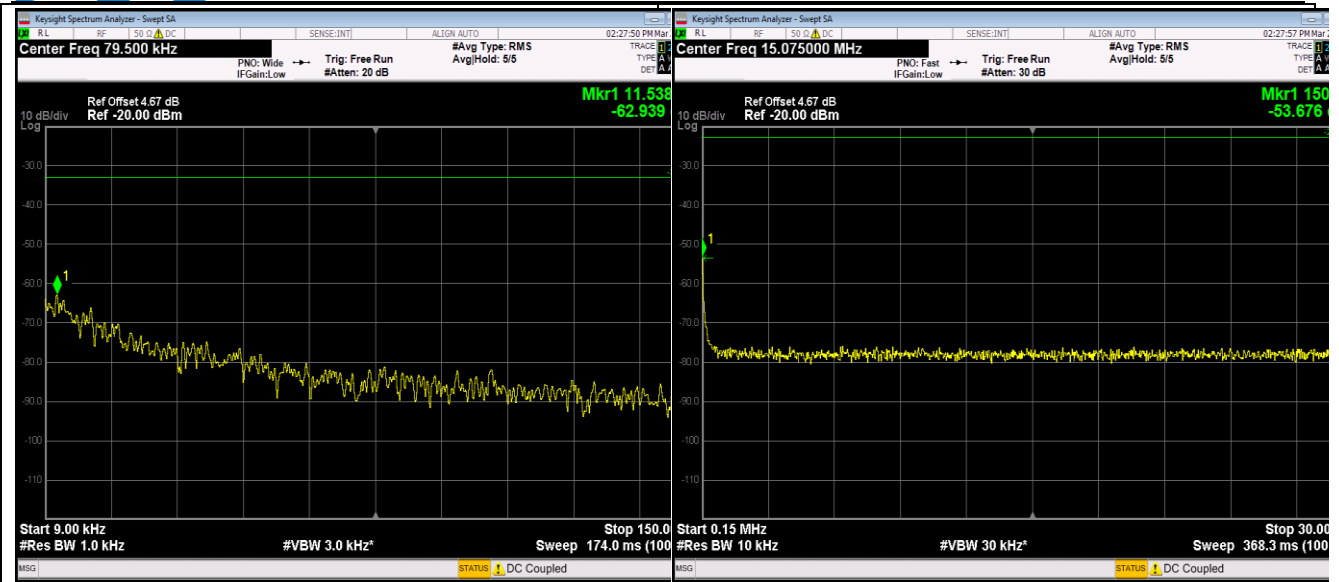
Band5-4132-0.15~30MHz-PASS



Band5-4132-30~1000MHz-PASS

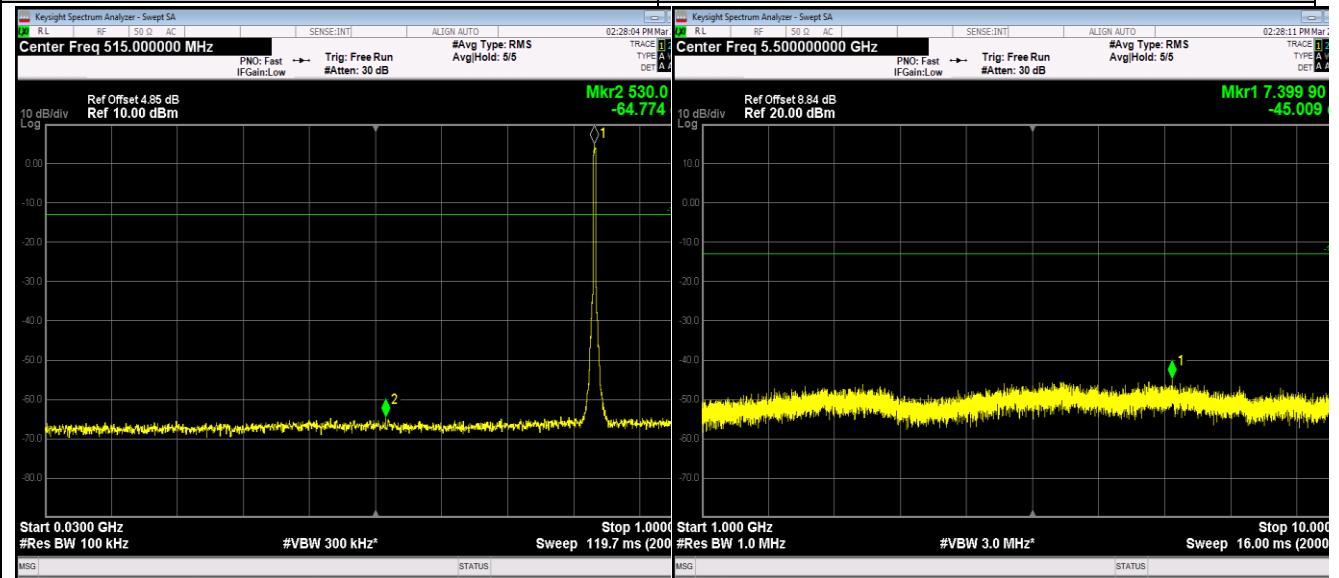
Band5-4132-1000~10000MHz-PASS





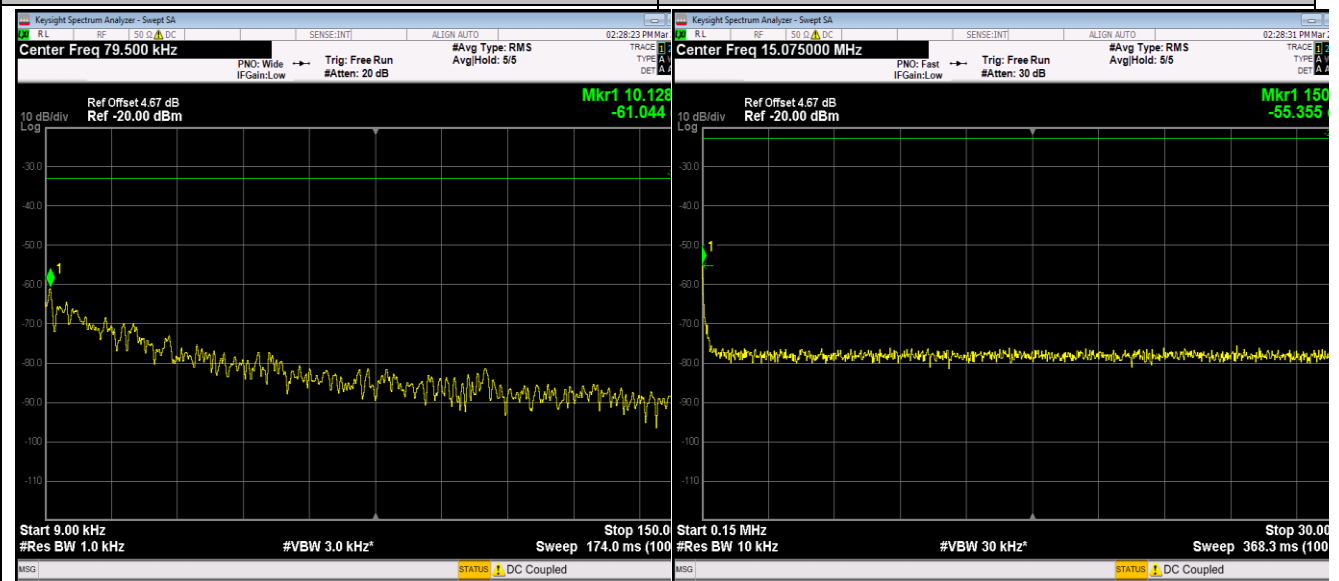
Band5-4182-0.009~0.15MHz-PASS

Band5-4182-0.15~30MHz-PASS



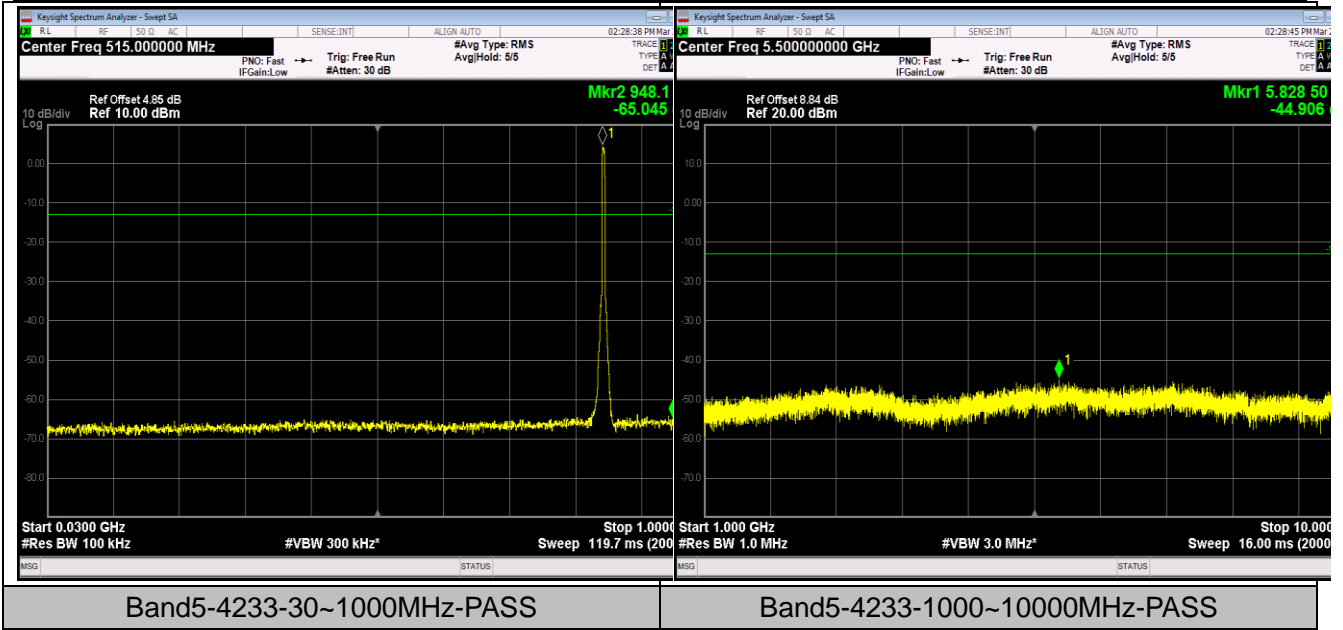
Band5-4182-30~1000MHz-PASS

Band5-4182-1000~10000MHz-PASS



Band5-4233-0.009~0.15MHz-PASS

Band5-4233-0.15~30MHz-PASS



Band5-4233-30~1000MHz-PASS

Band5-4233-1000~10000MHz-PASS

AppendixF:Frequency Stability

Test Result

Reference Frequency: WCDMA BAND V 12.2k RMC Middle channel=4183 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.91	-30	0.58	0.000309	±2.5	Pass
	-20	1.20	0.000638		
	-10	1.60	0.000851		
	0	1.54	0.000819		
	10	1.35	0.000718		
	20	1.88	0.001000		
	30	1.80	0.000957		
	40	1.93	0.001027		
	50	2.16	0.001149		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-2.53	-0.001346	±2.5	Pass
	3.91	-1.66	-0.000883		
	4.50	-0.09	-0.000048		
<i>Remark: All channel had been tested, but only the worst case data displayed in this report.</i>					

Reference Frequency: WCDMA BAND IV 12.2k RMC Middle Frequency=1413 channel=1732.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.91	-30	-2.73	-0.001576	Within authorized band for BAND IV	Pass
	-20	-1.15	-0.000664		
	-10	-1.62	-0.000935		
	0	0.14	0.000081		
	10	-0.16	-0.000092		
	20	0.19	0.000110		
	30	0.37	0.000214		
	40	0.00	0.000000		
	50	0.78	0.000450		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-7.46	-0.004306	Within authorized band for BAND IV	Pass
	3.91	-7.58	-0.004375		
	4.50	-2.08	-0.001201		
<i>Remark: All channel had been tested, but only the worst case data displayed in this report.</i>					

Reference Frequency: WCDMA BAND II 12.2k RMC Middle Frequency=9400 channel=1880MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.91	-30	-0.65	-0.000777	Within authorized band for BAND II	Pass
	-20	0.07	0.000084		
	-10	-1.91	-0.002284		
	0	-0.75	-0.000897		
	10	-0.48	-0.000574		
	20	0.05	0.000060		
	30	-2.23	-0.002666		
	40	-0.42	-0.000502		
	50	-1.18	-0.001411		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-0.41	-0.000490	Within authorized band for BAND II	Pass
	3.91	-0.23	-0.000275		
	4.50	-1.58	-0.001889		
<i>Remark: All channel had been tested, but only the worst case data displayed in this report.</i>					

**Appendix G: Modulation Characteristics****Test Result**

Band	Channel	Result	Verdict
Band2	9400	PASS	PASS
Band4	1413	PASS	PASS
Band5	4182	PASS	PASS

*Remark: All channel had been tested, but only the worst case data displayed in this report.*

Test Graphs

