

## 1. Effective (Isotropic) Radiated Power Output Data

### 1.1 Test Result

Test Band: 2												
Test Mode		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict	
		LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH			
HSUPA	Subtest 1	21.02	22.09	22.32	/	1.00	22.02	23.09	23.32	33.00	PASS	
	Subtest 2	22.58	21.65	22.08	/	1.00	23.58	22.65	23.08	33.00	PASS	
	Subtest 3	22.29	22.59	22.01	/	1.00	23.29	23.59	23.01	33.00	PASS	
	Subtest 4	22.15	22.56	22.12	/	1.00	23.15	23.56	23.12	33.00	PASS	
	Subtest 5	22.36	22.63	21.79	/	1.00	23.36	23.63	22.79	33.00	PASS	
HSDPA	Subtest 1	21.00	21.82	22.71	/	1.00	22	22.82	23.71	33.00	PASS	
	Subtest 2	22.74	22.93	21.61	/	1.00	23.74	23.93	22.61	33.00	PASS	
	Subtest 3	22.88	21.39	22.76	/	1.00	23.88	22.39	23.76	33.00	PASS	
	Subtest 4	22.19	22.24	22.54	/	1.00	23.19	23.24	23.54	33.00	PASS	
RMC	12.2kbps RMC	21.61	21.88	21.35	/	1.00	22.61	22.88	22.35	33.00	PASS	
	12.2kbps AMR	21.23	21.51	22.78	/	1.00	22.23	22.51	23.78	33.00	PASS	

Note:  
 1) dBd = dBi - 2.15  
 2) EIRP = Conducted output power + Antenna gain (dBi)

## 2. Frequency stability

### 2.1 Test Result

Test Band: 2 (Frequency Error VS. Voltage)										
Test Mode	Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
HSUPA	NT	LV	7.000 0	6.000 0	12.00 00	0.0043	0.0036	0.0067	2.50	PASS
		NV	7.000 0	4.000 0	11.00 00	0.0041	0.0025	0.0061	2.50	PASS
		HV	0.000 0	3.000 0	9.000 0	-0.0001	0.0020	0.0047	2.50	PASS
HSDPA	NT	LV	10.00 00	17.00 00	5.000 0	0.0057	0.0092	0.0030	2.50	PASS
		NV	12.00 00	13.00 00	7.000 0	0.0066	0.0069	0.0039	2.50	PASS
		HV	11.00 00	16.00 00	9.000 0	0.0063	0.0089	0.0052	2.50	PASS
RMC	NT	LV	- 11.00 00	- 7.000 0	- 6.000 0	-0.0061	-0.0040	-0.0036	2.50	PASS
		NV	- 21.00 00	- 6.000 0	- 11.00 00	-0.0115	-0.0036	-0.0062	2.50	PASS
		HV	- 12.00 00	- 5.000 0	- 13.00 00	-0.0068	-0.0029	-0.0071	2.50	PASS

Test Band: 2 (Frequency Error VS. Temperature)										
Test Mode	Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
HSUPA	NV	-30.00	1.000 0	5.000 0	5.000 0	0.0009	0.0032	0.0027	2.50	PASS
		-20.00	2.000 0	7.000 0	12.00 00	0.0016	0.0039	0.0064	2.50	PASS
		-10.00	11.00 00	2.000 0	10.00 00	0.0061	0.0014	0.0053	2.50	PASS
		0.00	0.000 0	5.000 0	6.000 0	-0.0004	0.0031	0.0036	2.50	PASS
		10.00	1.000 0	2.000 0	7.000 0	0.0008	0.0011	0.0038	2.50	PASS
		20.00	- 4.000 0	3.000 0	4.000 0	-0.0023	0.0018	0.0024	2.50	PASS
		30.00	- 4.000 0	11.00 00	13.00 00	-0.0025	0.0061	0.0069	2.50	PASS
		40.00	1.000 0	9.000 0	5.000 0	0.0006	0.0053	0.0029	2.50	PASS
		50.00	4.000 0	3.000 0	2.000 0	0.0024	0.0020	0.0014	2.50	PASS
HSDPA	NV	-30.00	10.00 00	12.00 00	5.000 0	0.0056	0.0065	0.0031	2.50	PASS
		-20.00	16.00	11.00	8.000	0.0088	0.0062	0.0046	2.50	PASS

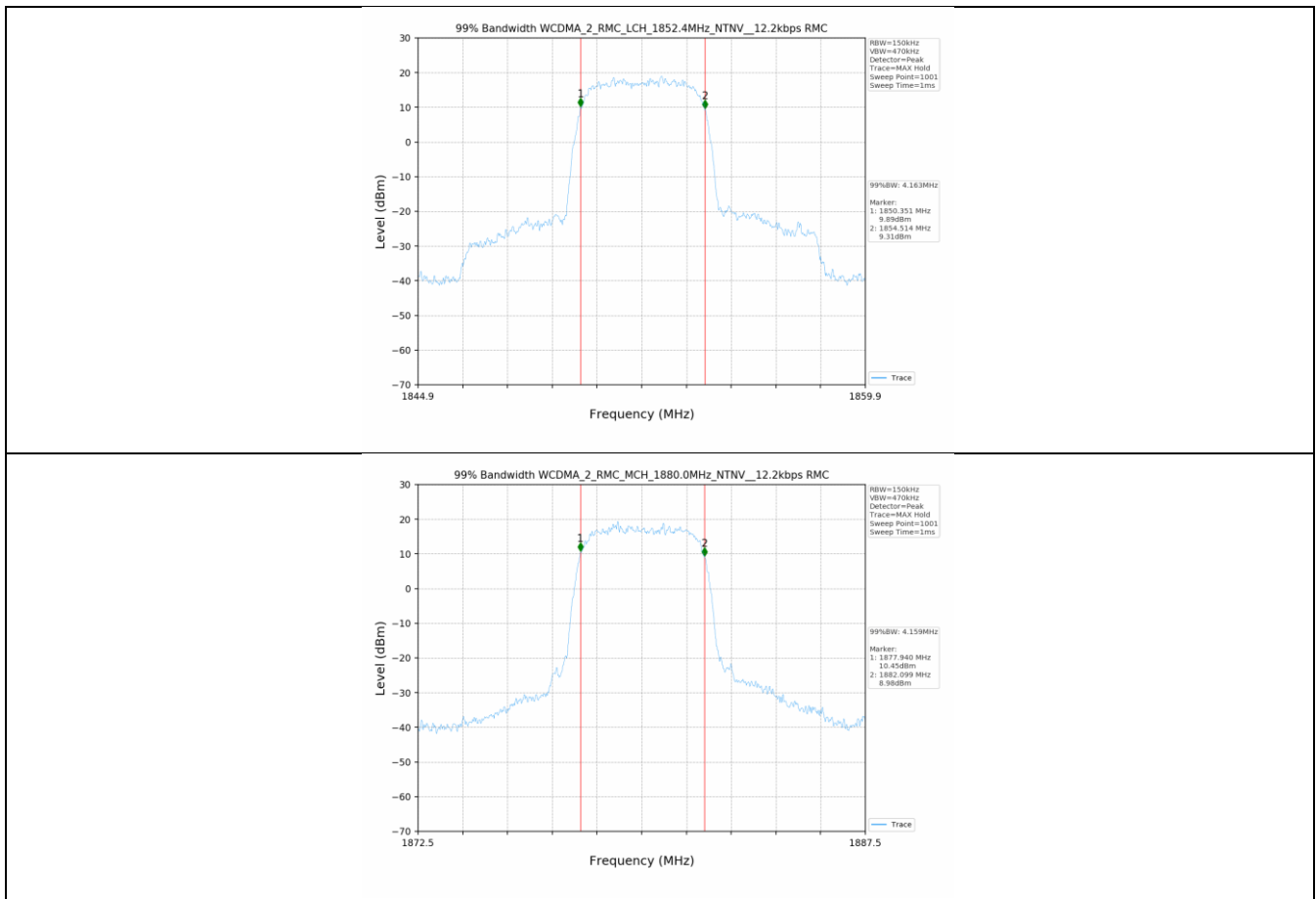
			00	00	0					
		-10.00	12.00 00	14.00 00	5.000 0	0.0066	0.0075	0.0031	2.50	PASS
		0.00	5.000 0	23.00 00	3.000 0	0.0028	0.0125	0.0019	2.50	PASS
		10.00	15.00 00	9.000 0	3.000 0	0.0083	0.0050	0.0019	2.50	PASS
		20.00	11.00 00	13.00 00	10.00 00	0.0064	0.0070	0.0054	2.50	PASS
		30.00	7.000 0	1.000 0	8.000 0	0.0039	0.0008	0.0043	2.50	PASS
		40.00	11.00 00	13.00 00	5.000 0	0.0061	0.0071	0.0027	2.50	PASS
		50.00	7.000 0	8.000 0	2.000 0	0.0043	0.0043	0.0013	2.50	PASS
RMC	NV	-30.00	- 14.00 00	- 9.000 0	- 9.000 0	-0.0078	-0.0052	-0.0051	2.50	PASS
		-20.00	- 17.00 00	- 16.00 00	- 11.00 00	-0.0093	-0.0088	-0.0061	2.50	PASS
		-10.00	- 8.000 0	- 12.00 00	- 14.00 00	-0.0046	-0.0064	-0.0073	2.50	PASS
		0.00	- 8.000 0	- 4.000 0	- 11.00 00	-0.0043	0.0023	-0.0063	2.50	PASS
		10.00	- 13.00 00	- 1.000 0	- 6.000 0	-0.0075	0.0007	-0.0033	2.50	PASS
		20.00	- 3.000 0	- 0.000 0	- 13.00 00	-0.0020	0.0001	-0.0069	2.50	PASS
		30.00	- 2.000 0	- 10.00 00	- 15.00 00	-0.0016	-0.0054	-0.0082	2.50	PASS
		40.00	- 12.00 00	- 15.00 00	- 17.00 00	-0.0070	-0.0081	-0.0092	2.50	PASS
		50.00	- 10.00 00	- 14.00 00	- 4.000 0	-0.0056	-0.0078	-0.0023	2.50	PASS

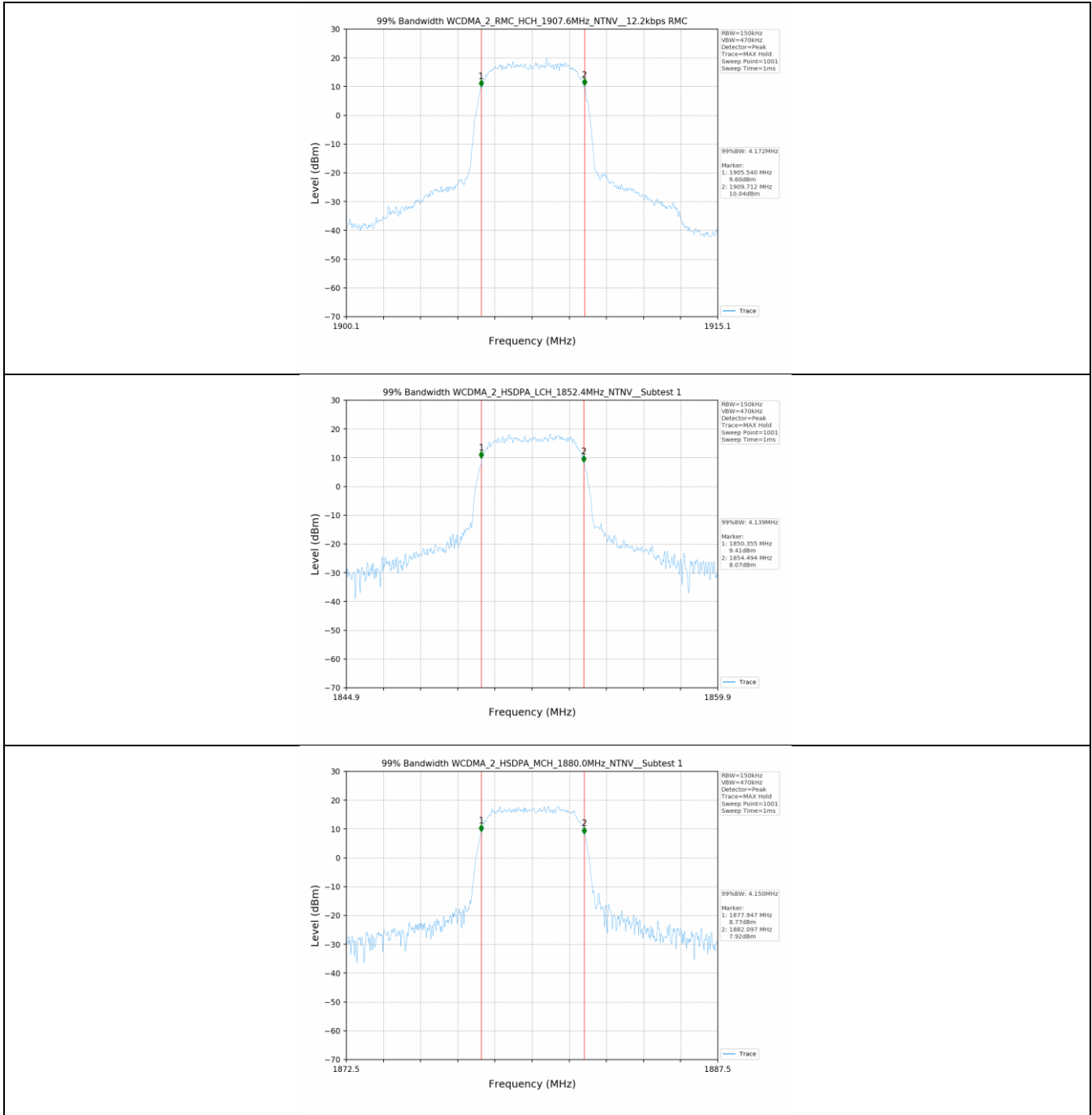
## 3. 99% & 26dB Bandwidth

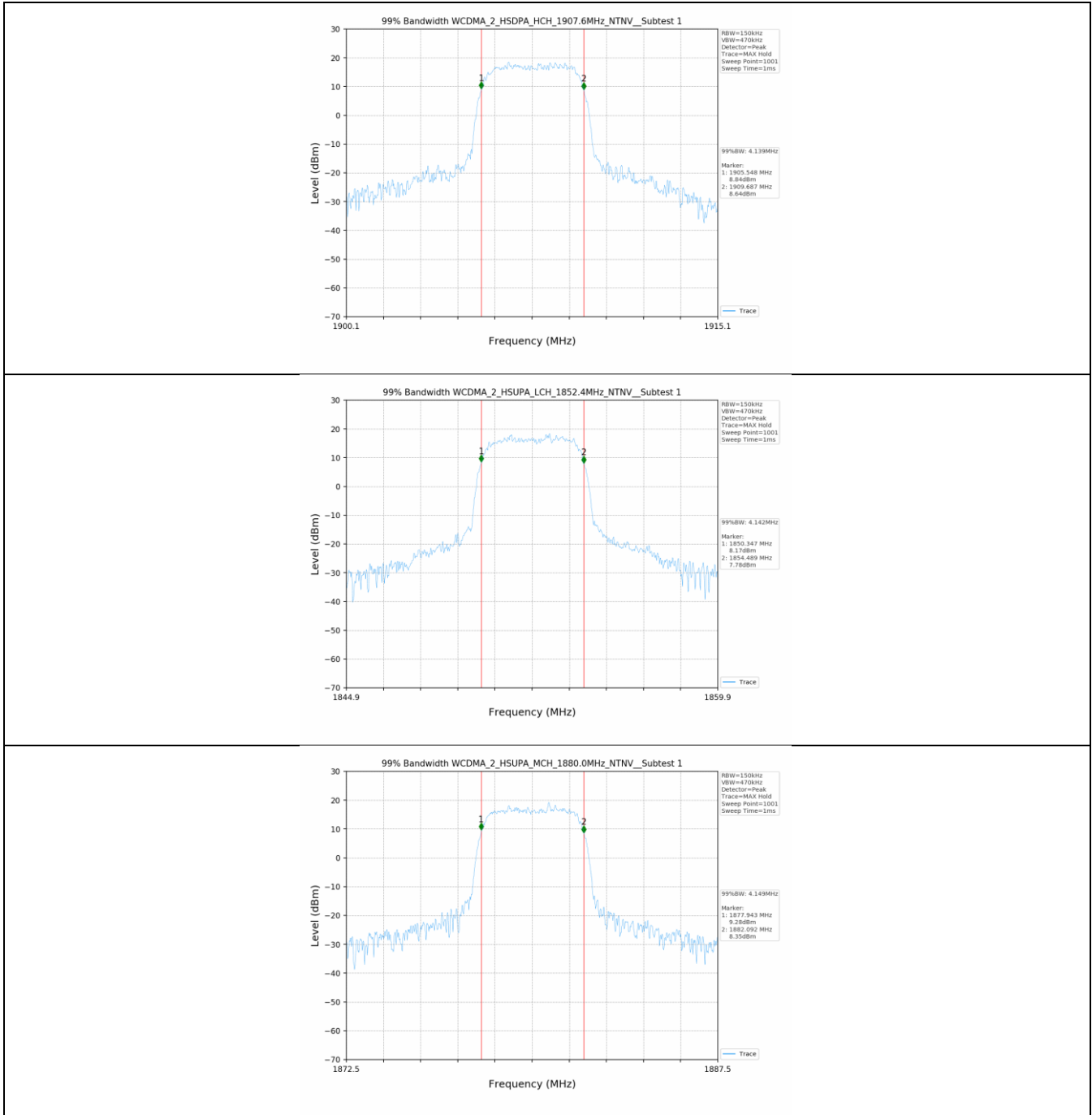
### 3.1 Test Result

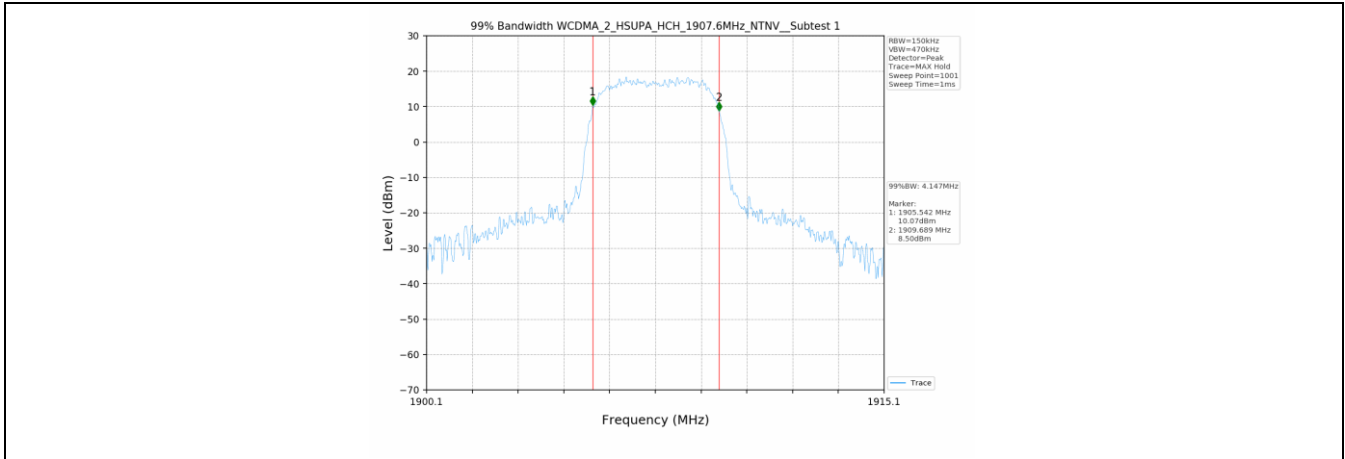
Test Band: 2					
Test Mode	99% Occupied Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
HSUPA	4.140	4.150	4.150	N/A	PASS
HSDPA	4.140	4.150	4.140	N/A	PASS
RMC	4.160	4.160	4.170	N/A	PASS

### 3.2 Test Graph



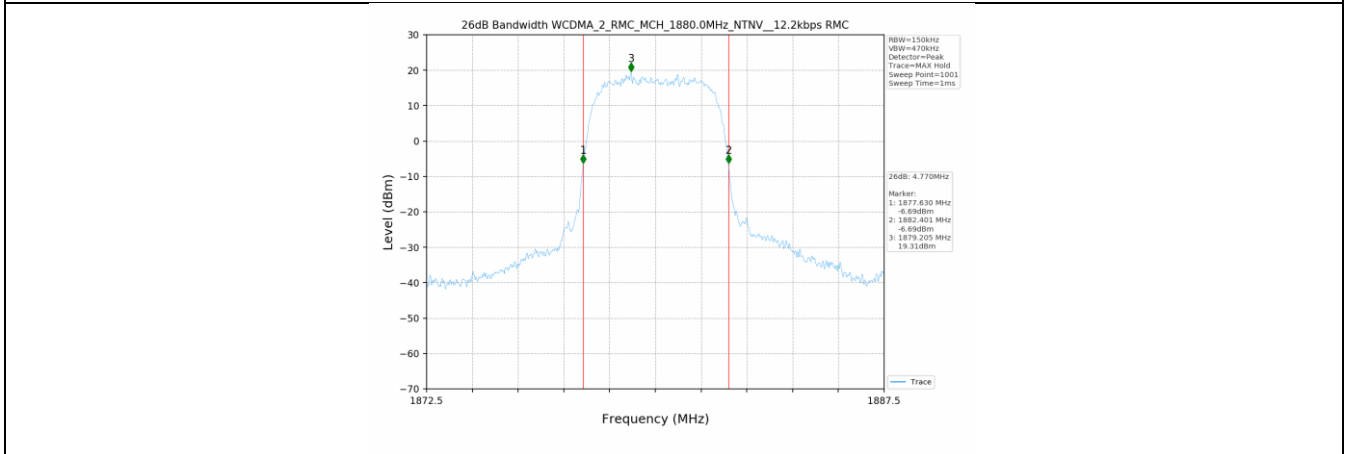
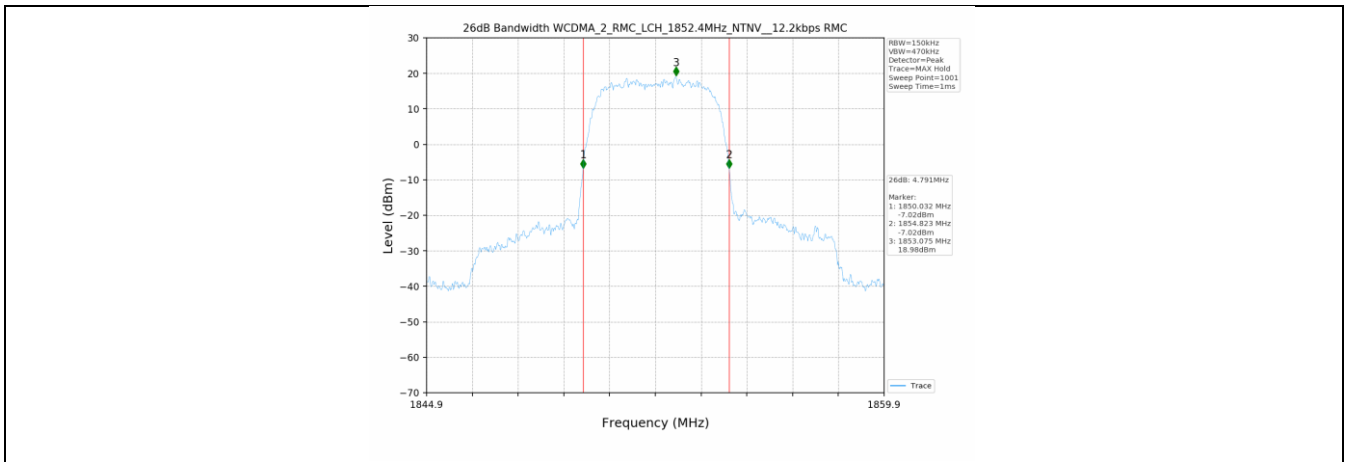


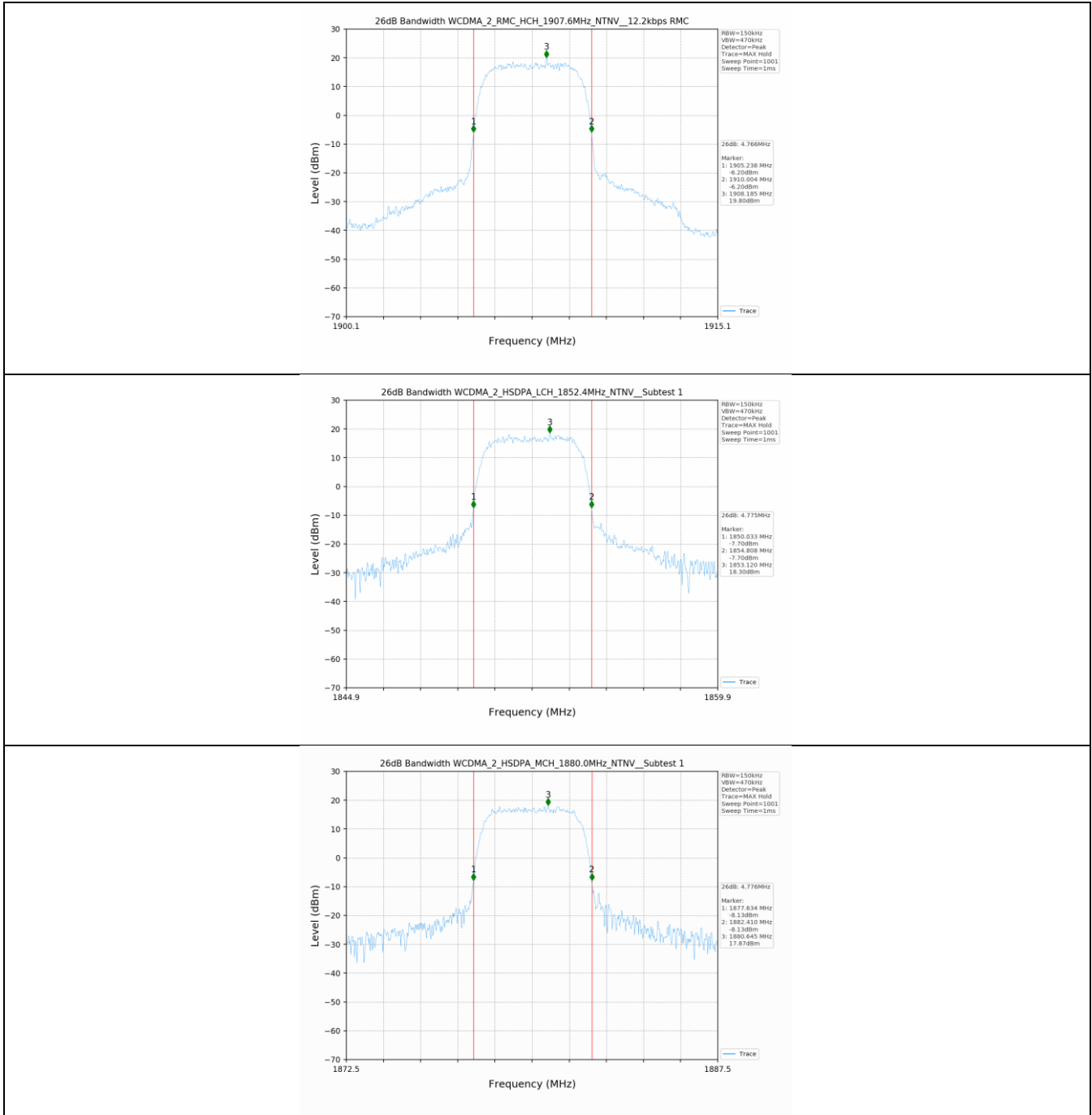




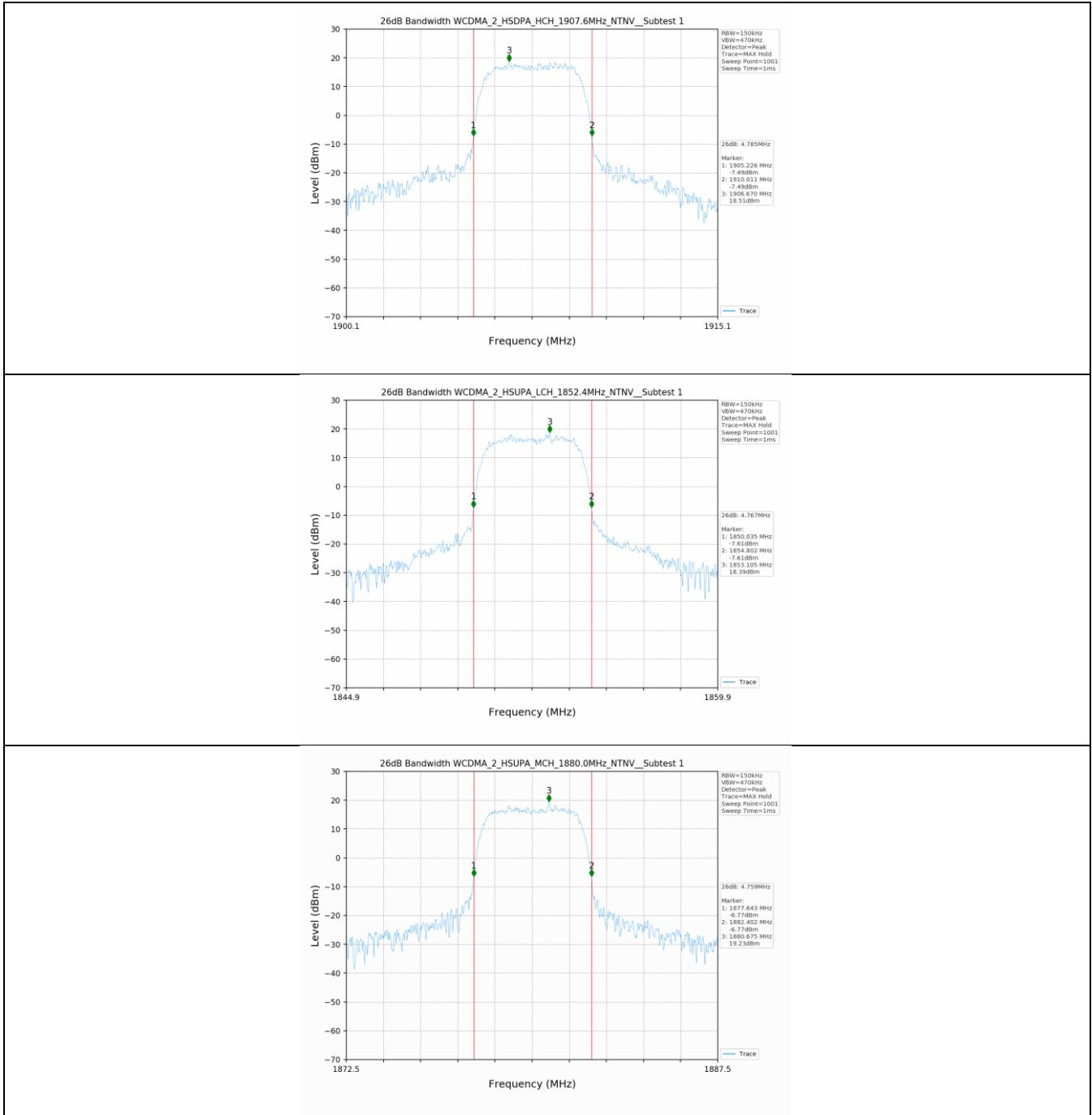
Test Band: 2					
Test Mode	26dB Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
HSUPA	4.770	4.760	4.760	N/A	PASS
HSDPA	4.780	4.780	4.790	N/A	PASS
RMC	4.790	4.770	4.770	N/A	PASS

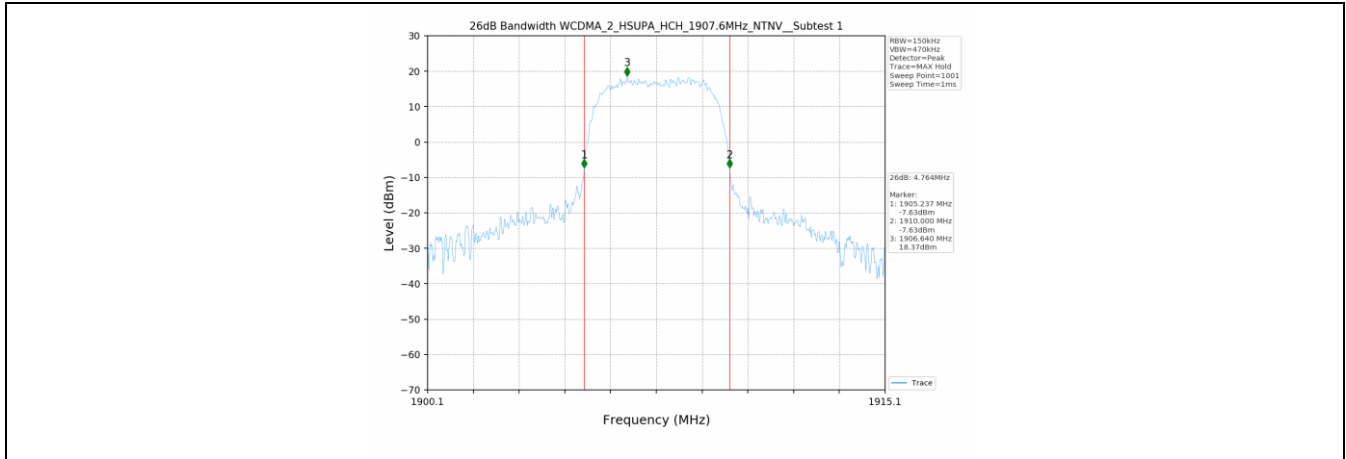
### 3.2 Test Graph









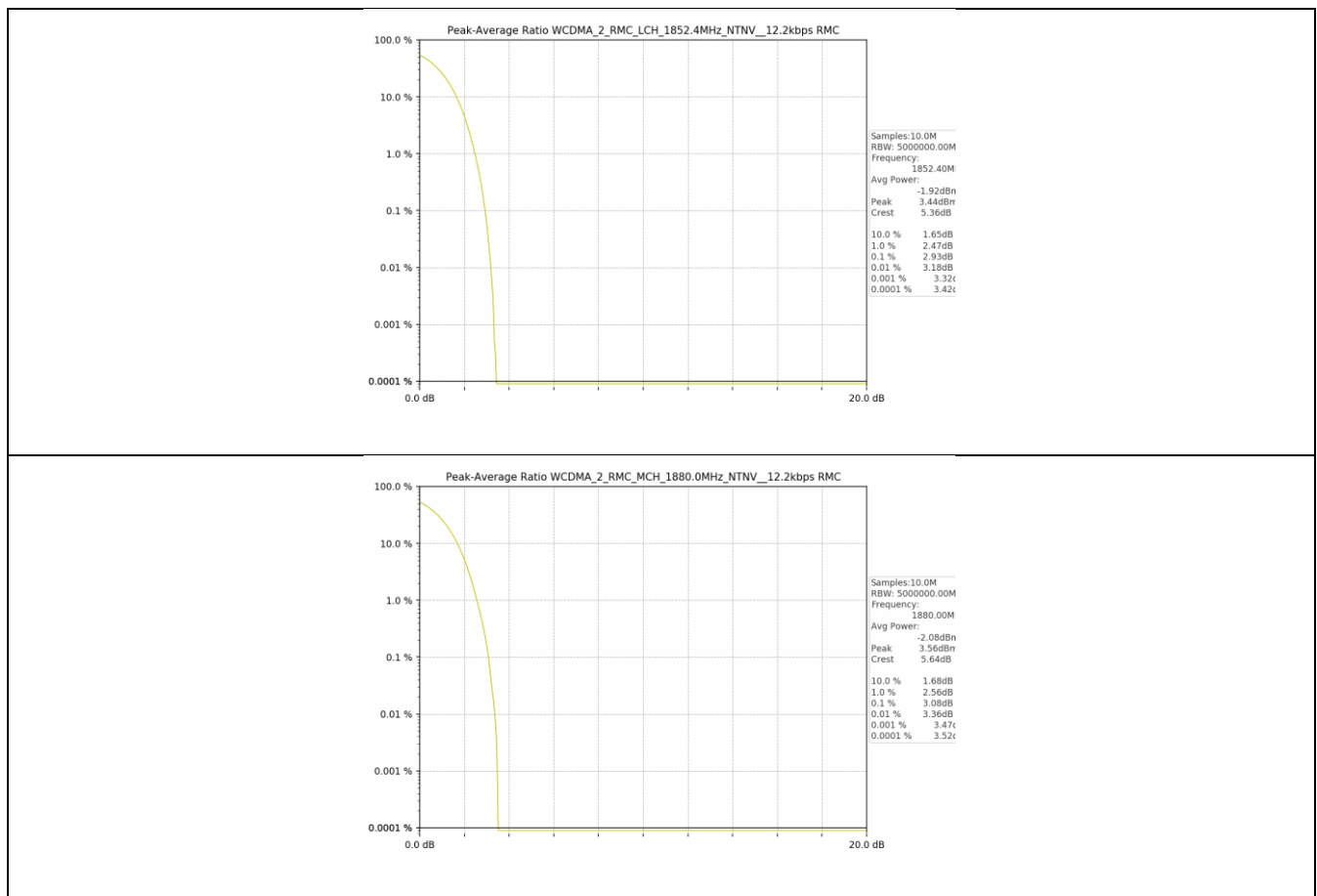


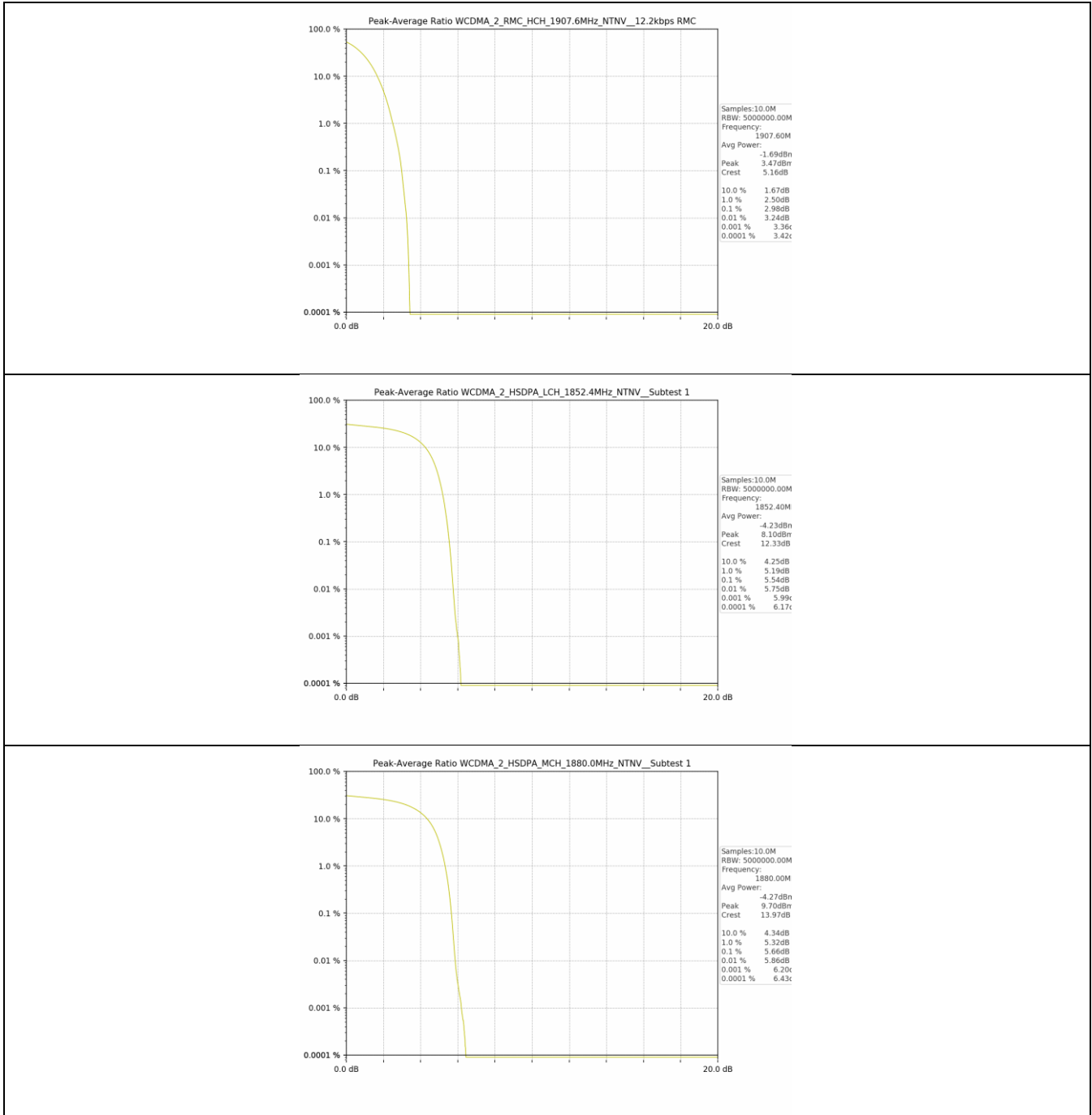
## 4. Peak-Average Ratio

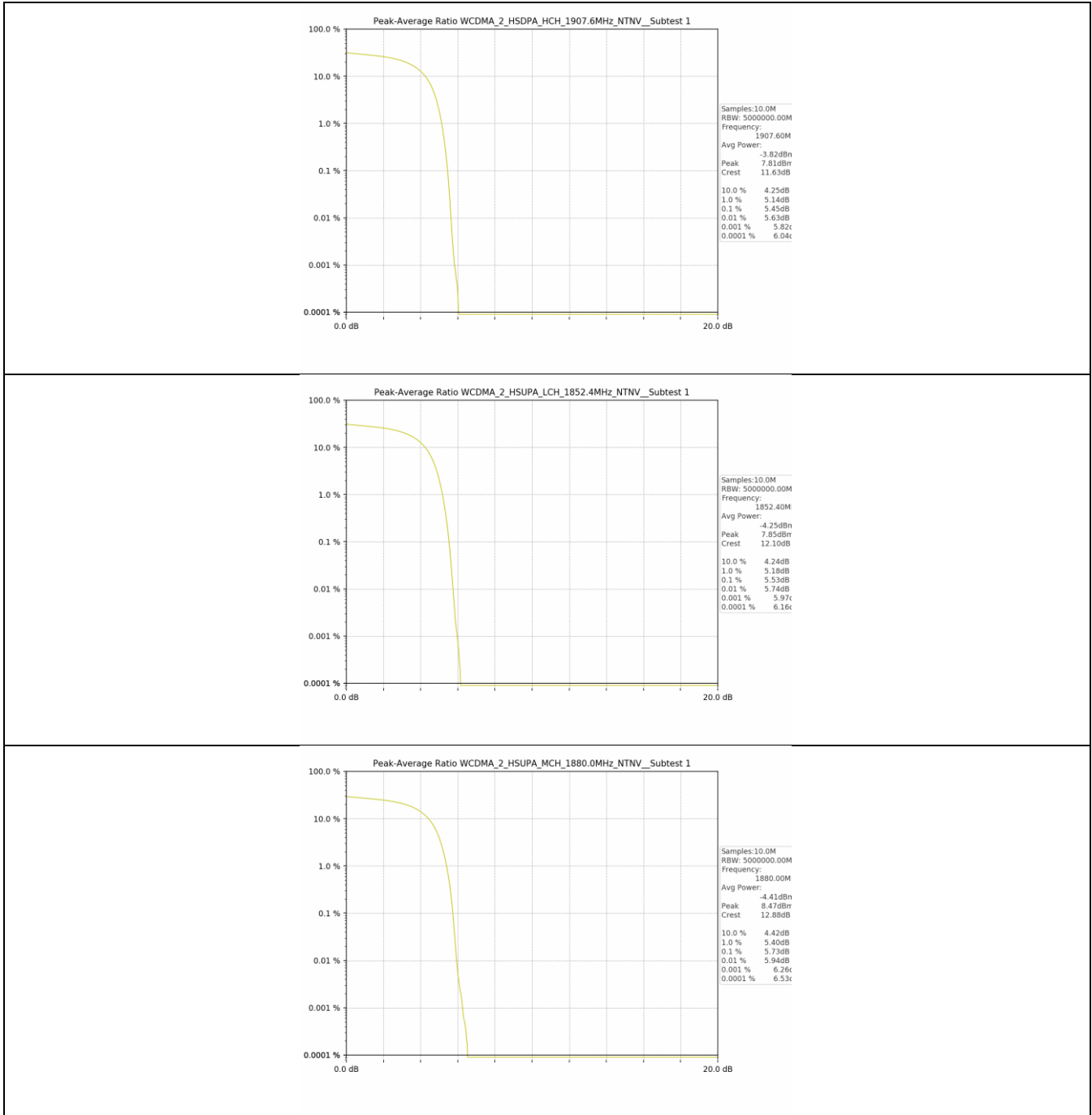
### 4.1 Test Result

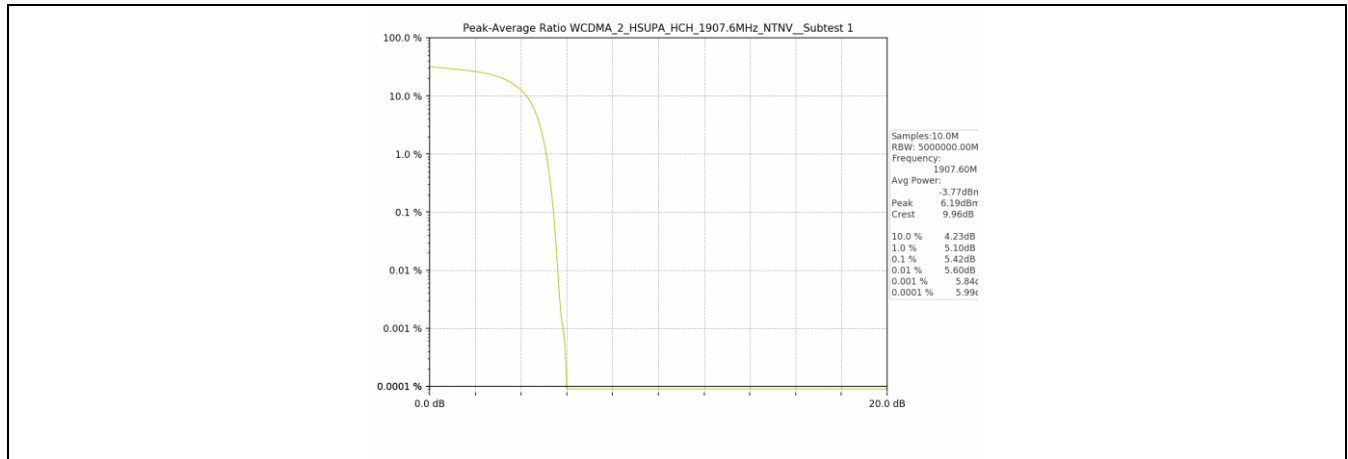
Test Band: 2					
Test Mode	Test result (dB)			Limit (dB)	Verdict
	LCH	MCH	HCH		
HSUPA	5.53	5.73	5.42	13	PASS
HSDPA	5.54	5.66	5.45	13	PASS
RMC	2.93	3.08	2.98	13	PASS

### 5.2 Test Graph









## 5. Spurious Emission

### 5.1 Test Graph

