

# WCDMA Band 2 HSDPA Test Data

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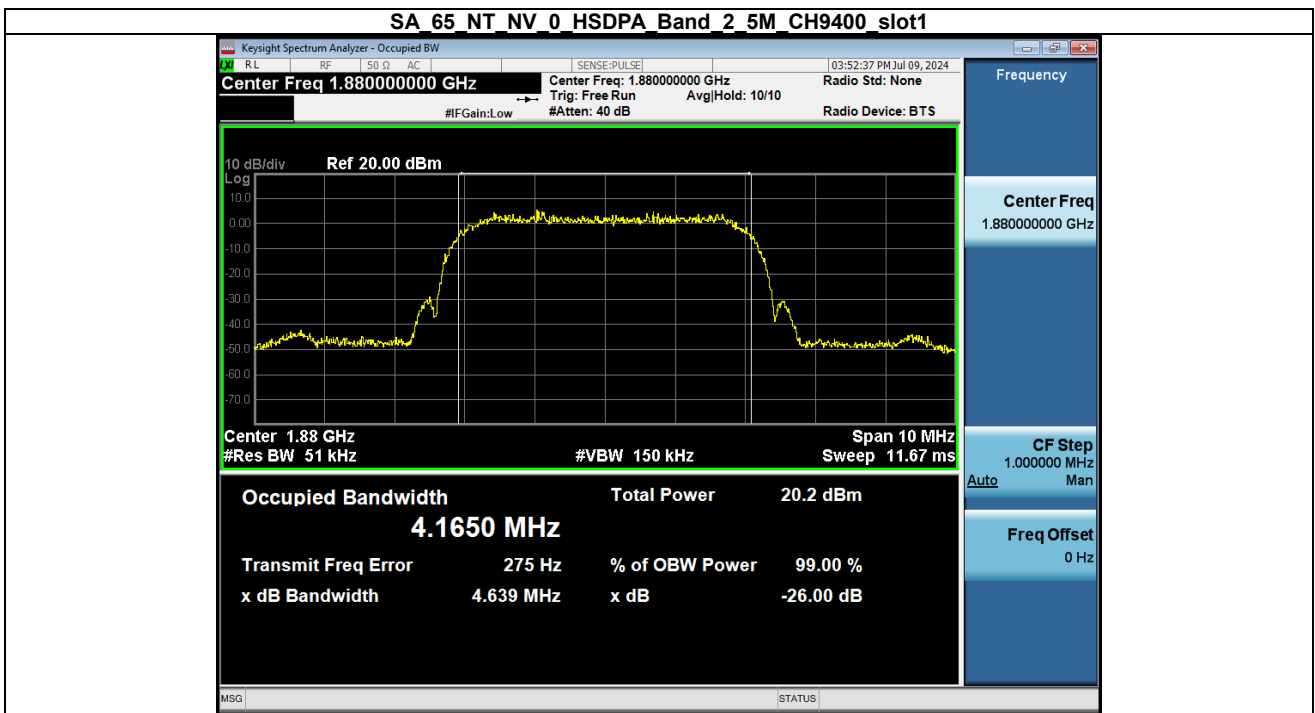
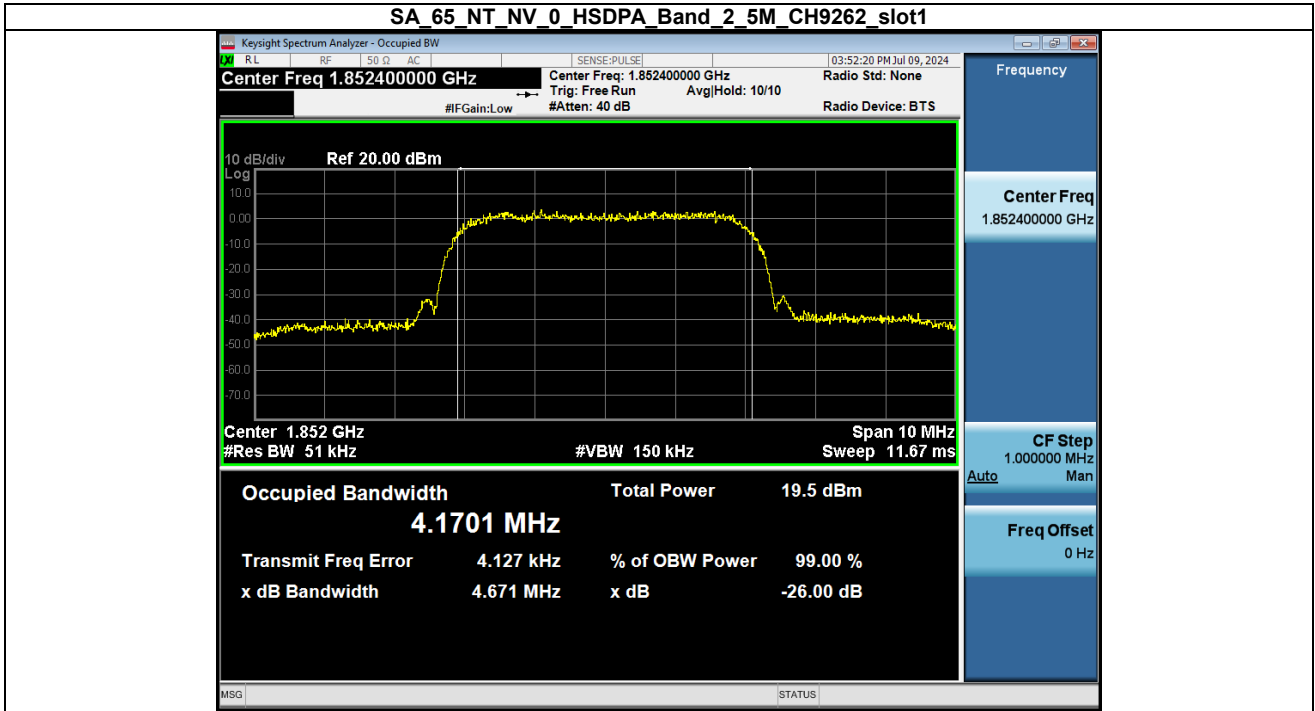
# 1. Conducted Output Power&&EIRP/ERP

Condition	Mode	Band	Frequency(MHz)	Sub	Conducted Power(dBm)	ANT Gain(dBi)	EIRP(dBm)	limit(dBm)	Result
NVNT	HSDPA	Band 2	1852.4	1	21.46	0.6	22.06	33.01	Pass
NVNT	HSDPA	Band 2	1852.4	2	22.47	0.6	23.07	33.01	Pass
NVNT	HSDPA	Band 2	1852.4	3	<b>23.00</b>	0.6	23.60	33.01	Pass
NVNT	HSDPA	Band 2	1852.4	4	22.40	0.6	23.00	33.01	Pass
NVNT	HSDPA	Band 2	1880.0	1	22.45	0.6	23.05	33.01	Pass
NVNT	HSDPA	Band 2	1880.0	2	21.75	0.6	22.35	33.01	Pass
NVNT	HSDPA	Band 2	1880.0	3	22.47	0.6	23.07	33.01	Pass
NVNT	HSDPA	Band 2	1880.0	4	22.61	0.6	23.21	33.01	Pass
NVNT	HSDPA	Band 2	1907.6	1	22.39	0.6	22.99	33.01	Pass
NVNT	HSDPA	Band 2	1907.6	2	21.39	0.6	21.99	33.01	Pass
NVNT	HSDPA	Band 2	1907.6	3	22.32	0.6	22.92	33.01	Pass
NVNT	HSDPA	Band 2	1907.6	4	22.42	0.6	23.02	33.01	Pass

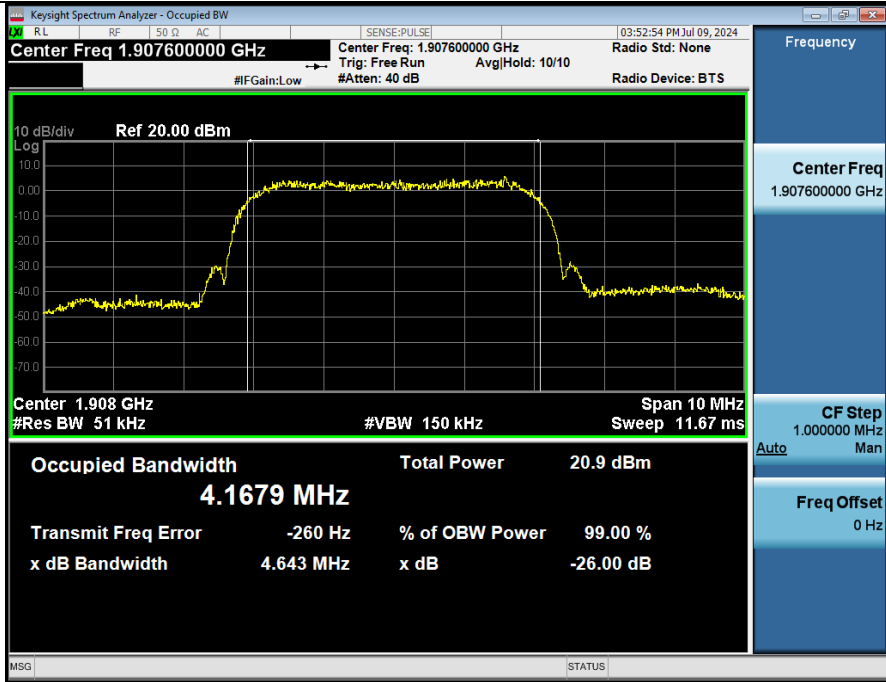
EIRP = Conducted Power + ANT Gain

## 2. Occupied Bandwidth

Condition	Mode	Band	Frequency(MHz)	Sub	OBW(MHz)	-26EBW(MHz)
NVNT	HSDPA	Band 2	1852.4	1	4.1701	4.6709
NVNT	HSDPA	Band 2	1880.0	1	4.1650	4.6387
NVNT	HSDPA	Band 2	1907.6	1	4.1679	4.6429

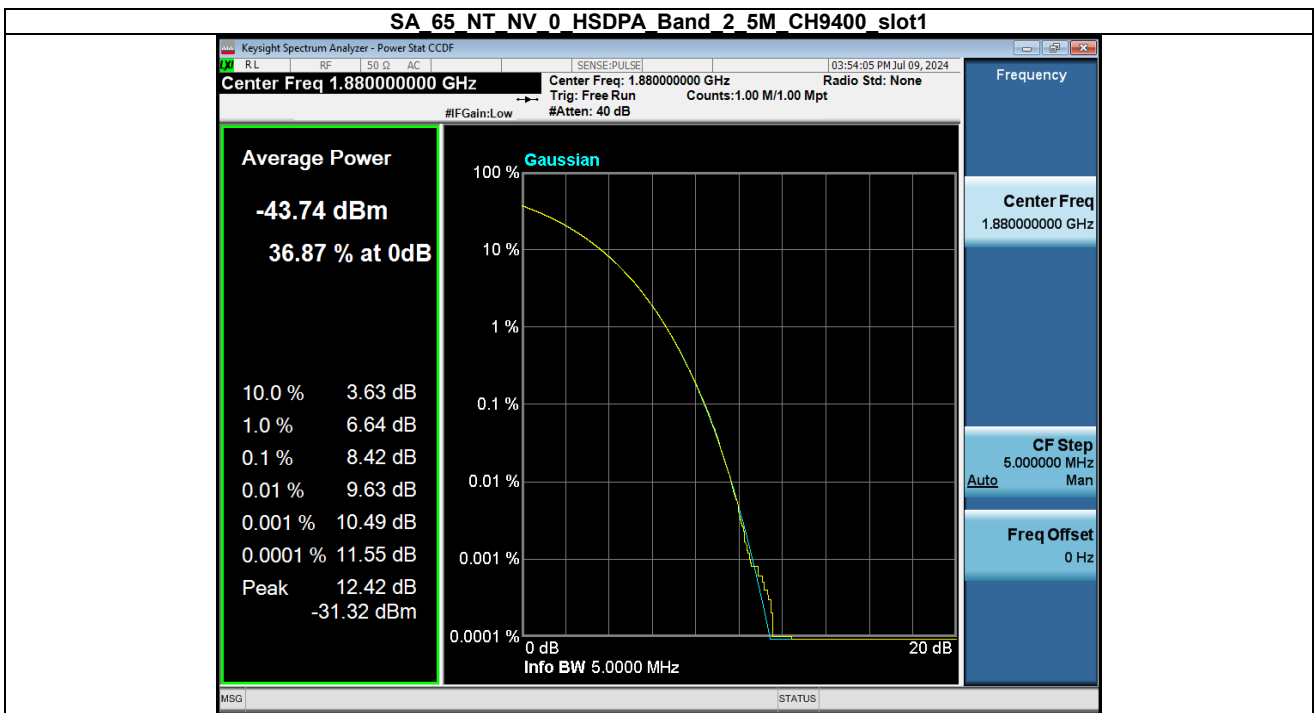


**SA\_65\_NT\_NV\_0\_HSDPA\_Band\_2\_5M\_CH9538\_slot1**

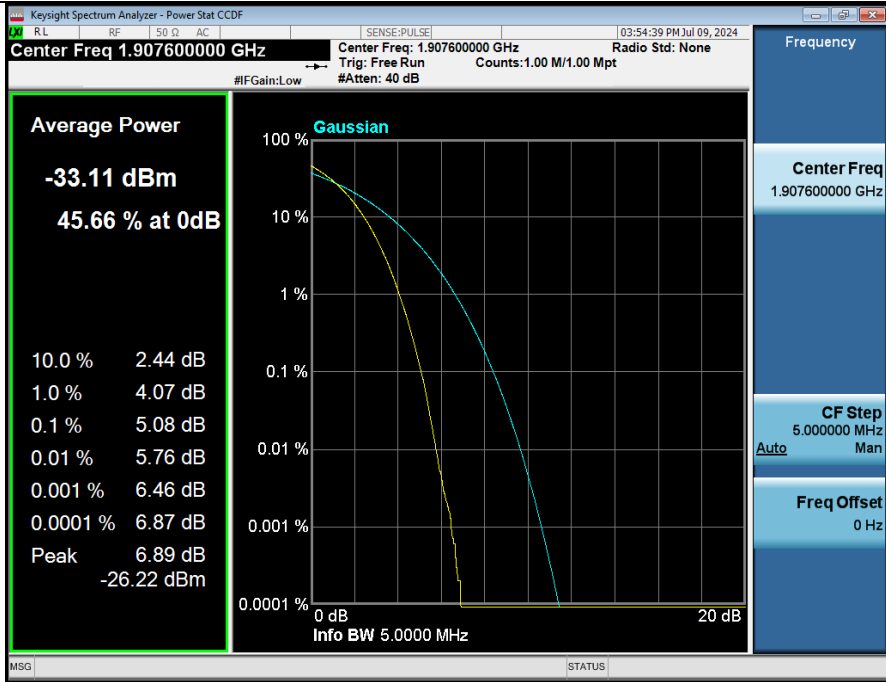


### 3. Peak to Average Ratio

Condition	Mode	Band	Frequency(MHz)	Sub	Peak to AVG Ratio-0.1%(dB)	Limit(dB)	Result
NVNT	HSDPA	Band 2	1852.4	1	3.02	13.00	Pass
NVNT	HSDPA	Band 2	1880.0	1	8.42	13.00	Pass
NVNT	HSDPA	Band 2	1907.6	1	5.08	13.00	Pass

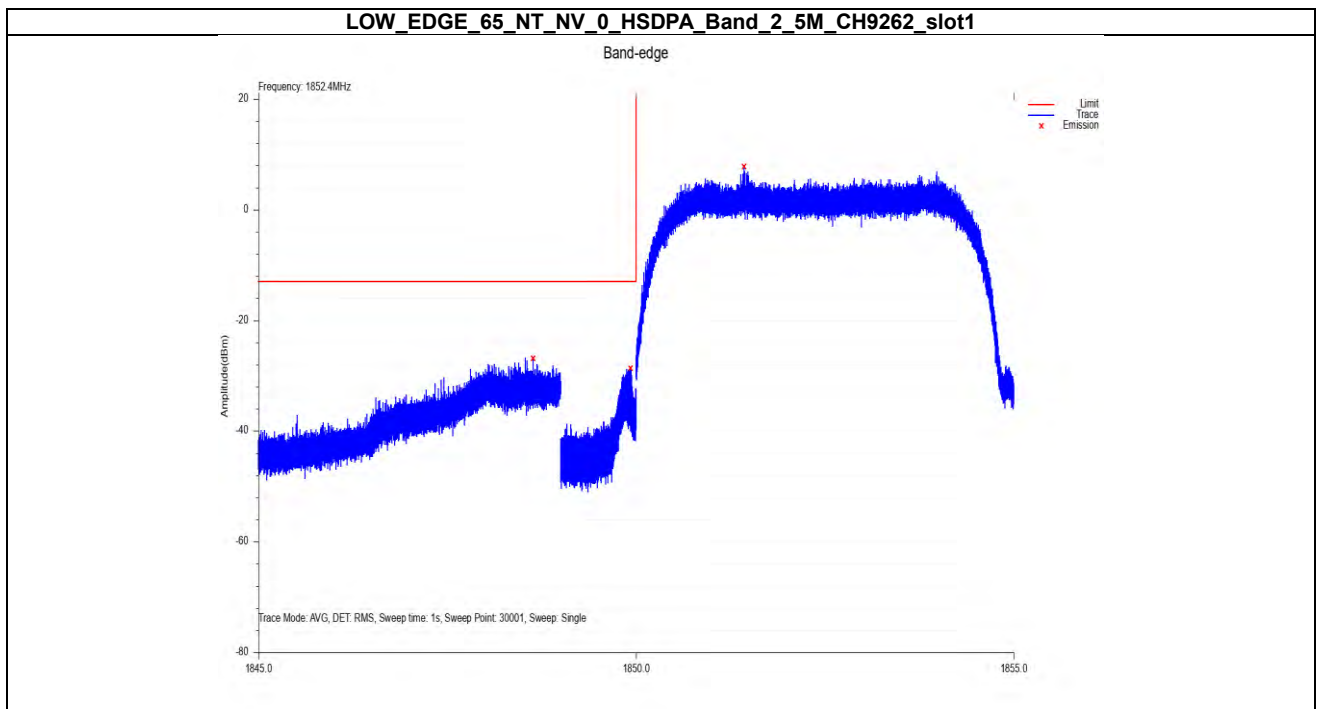


**SA 65\_NT\_NV\_0 HSDPA Band 2 5M\_CH9538\_slot1**



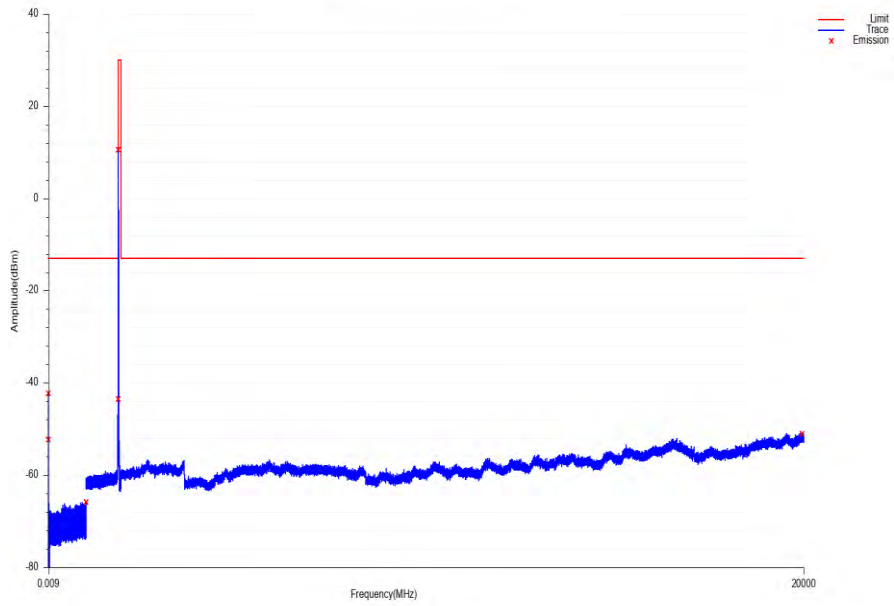
## 4. Unwanted Spurious Emission

Condition	Mode	Band	Frequency(MHz)	Sub	RBW(kHz)	Test Freq Range(MHz)	Spur Freq (MHz)	Spur Level(dBm)	Limit(dBm)	Result
NVNT	HSDPA	Band 2	1852.40	1	1000	1845.0~1849.0	1848.638	-26.82	-13	Pass
NVNT	HSDPA	Band 2	1852.40	1	50.0	1849.0~1850.0	1849.925	-28.70	-13	Pass
NVNT	HSDPA	Band 2	1852.40	1	1	0.009~0.150	0.098	-52.30	-13	Pass
NVNT	HSDPA	Band 2	1852.40	1	10	0.150~30.000	3.684	-42.21	-13	Pass
NVNT	HSDPA	Band 2	1852.40	1	100	30.000~1000.000	998.222	-65.87	-13	Pass
NVNT	HSDPA	Band 2	1852.40	1	1000	1000.000~1845.000	1844.606	-43.57	-13	Pass
NVNT	HSDPA	Band 2	1852.40	1	1000	1915.000~20000.000	19952.376	-50.98	-13	Pass
NVNT	HSDPA	Band 2	1880.00	1	1	0.009~0.150	0.098	-52.91	-13	Pass
NVNT	HSDPA	Band 2	1880.00	1	10	0.150~30.000	3.785	-44.48	-13	Pass
NVNT	HSDPA	Band 2	1880.00	1	100	30.000~1000.000	794.910	-66.12	-13	Pass
NVNT	HSDPA	Band 2	1880.00	1	1000	1000.000~1845.000	1835.930	-58.69	-13	Pass
NVNT	HSDPA	Band 2	1880.00	1	1000	1915.000~20000.000	19940.922	-50.61	-13	Pass
NVNT	HSDPA	Band 2	1907.60	1	50.0	1910.0~1911.0	1910.140	-27.24	-13	Pass
NVNT	HSDPA	Band 2	1907.60	1	1000	1911.0~1915.0	1911.297	-25.45	-13	Pass
NVNT	HSDPA	Band 2	1907.60	1	1	0.009~0.150	0.098	-53.21	-13	Pass
NVNT	HSDPA	Band 2	1907.60	1	10	0.150~30.000	3.725	-44.38	-13	Pass
NVNT	HSDPA	Band 2	1907.60	1	100	30.000~1000.000	843.280	-65.72	-13	Pass
NVNT	HSDPA	Band 2	1907.60	1	1000	1000.000~1845.000	1844.211	-58.79	-13	Pass
NVNT	HSDPA	Band 2	1907.60	1	1000	1915.000~20000.000	1915.000	-43.16	-13	Pass



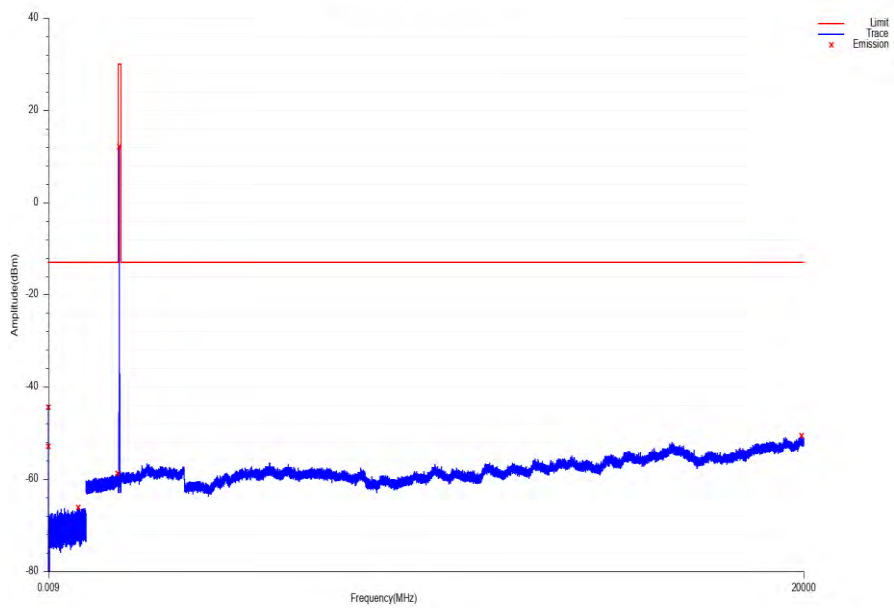
SA\_65\_NT\_NV\_0\_HSDPA\_Band\_2\_5M\_CH9262\_slot1

Unwanted spurious emissions



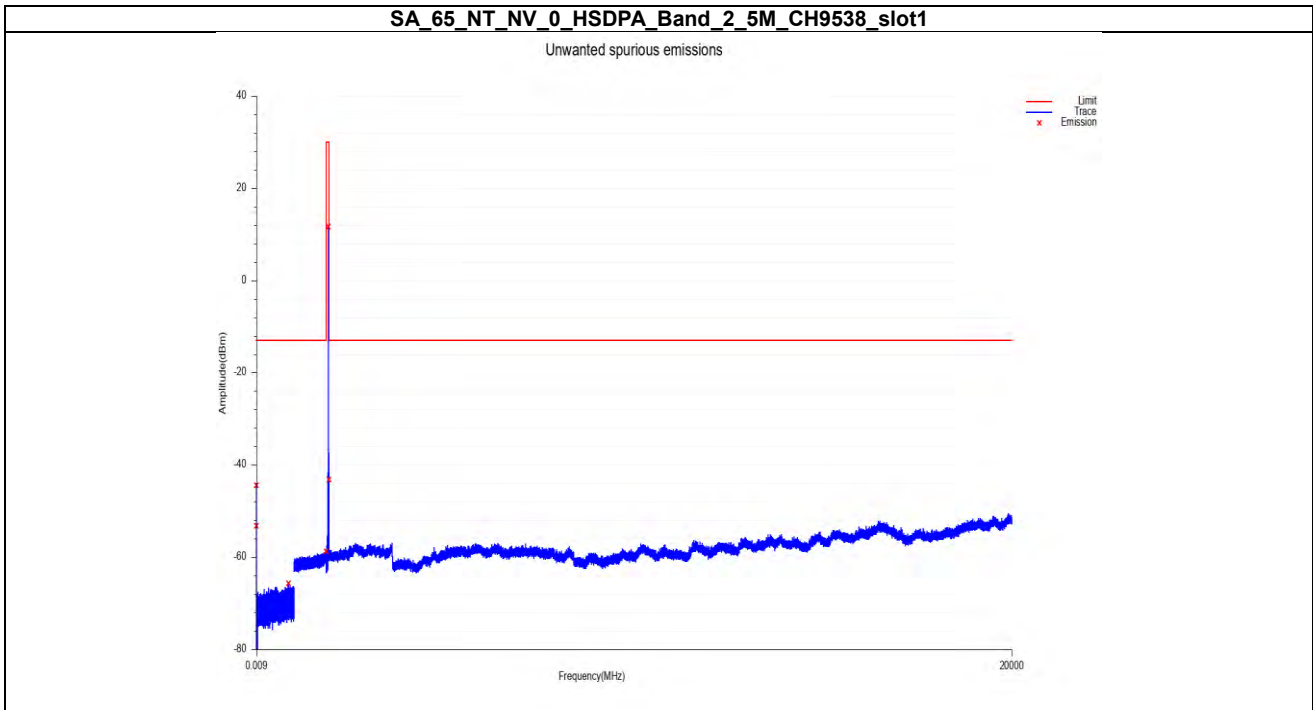
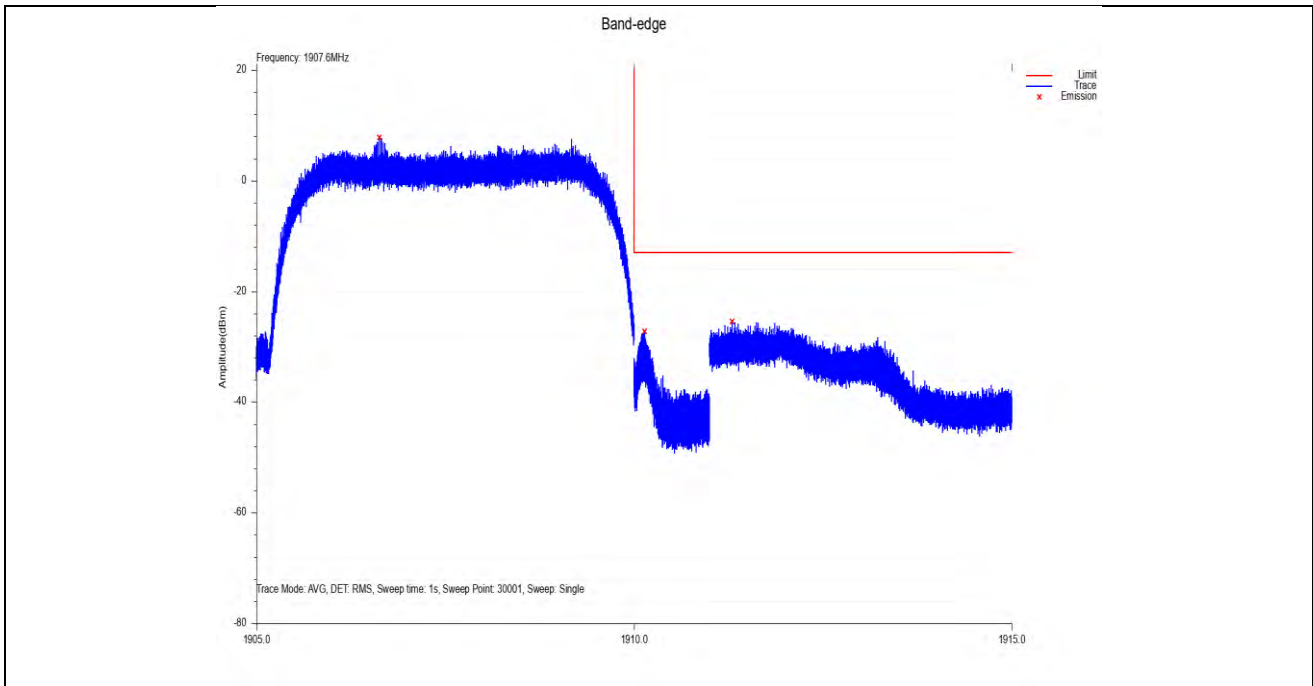
SA\_65\_NT\_NV\_0\_HSDPA\_Band\_2\_5M\_CH9400\_slot1

Unwanted spurious emissions



UPPER\_EDGE\_65\_NT\_NV\_0\_HSDPA\_Band\_2\_5M\_CH9538\_slot1





## 5. Frequency Stability

Temperature (C)	Voltage(V)	Modulation	Band	Frequency(MHz)	Sub	Frequency Stabilization (ppm)	Limit_Low (ppm)	Limit_Up (ppm)	Result
-30	3.3	HSDPA	Band 2	1852.4	1	-0.0072	-2.50	2.50	Pass
-30	3.3	HSDPA	Band 2	1880.0	1	0.0084	-2.50	2.50	Pass
-30	3.3	HSDPA	Band 2	1907.6	1	0.0105	-2.50	2.50	Pass
-30	3.8	HSDPA	Band 2	1852.4	1	0.0088	-2.50	2.50	Pass
-30	3.8	HSDPA	Band 2	1880.0	1	0.0032	-2.50	2.50	Pass
-30	3.8	HSDPA	Band 2	1907.6	1	0.0067	-2.50	2.50	Pass
-30	4.2	HSDPA	Band 2	1852.4	1	0.0085	-2.50	2.50	Pass
-30	4.2	HSDPA	Band 2	1880.0	1	0.0044	-2.50	2.50	Pass
-30	4.2	HSDPA	Band 2	1907.6	1	-0.0075	-2.50	2.50	Pass
-20	3.3	HSDPA	Band 2	1852.4	1	0.0068	-2.50	2.50	Pass
-20	3.3	HSDPA	Band 2	1880.0	1	0.0071	-2.50	2.50	Pass
-20	3.3	HSDPA	Band 2	1907.6	1	0.0098	-2.50	2.50	Pass
-20	3.8	HSDPA	Band 2	1852.4	1	0.0058	-2.50	2.50	Pass
-20	3.8	HSDPA	Band 2	1880.0	1	0.0053	-2.50	2.50	Pass
-20	3.8	HSDPA	Band 2	1907.6	1	0.0072	-2.50	2.50	Pass
-20	4.2	HSDPA	Band 2	1852.4	1	0.0091	-2.50	2.50	Pass
-20	4.2	HSDPA	Band 2	1880.0	1	0.0061	-2.50	2.50	Pass
-20	4.2	HSDPA	Band 2	1907.6	1	0.0073	-2.50	2.50	Pass
-10	3.3	HSDPA	Band 2	1852.4	1	0.0066	-2.50	2.50	Pass
-10	3.3	HSDPA	Band 2	1880.0	1	-0.0063	-2.50	2.50	Pass
-10	3.3	HSDPA	Band 2	1907.6	1	0.0067	-2.50	2.50	Pass
-10	3.8	HSDPA	Band 2	1852.4	1	0.0085	-2.50	2.50	Pass
-10	3.8	HSDPA	Band 2	1880.0	1	0.0019	-2.50	2.50	Pass
-10	3.8	HSDPA	Band 2	1907.6	1	0.0104	-2.50	2.50	Pass
-10	4.2	HSDPA	Band 2	1852.4	1	0.0054	-2.50	2.50	Pass
-10	4.2	HSDPA	Band 2	1880.0	1	0.0049	-2.50	2.50	Pass
-10	4.2	HSDPA	Band 2	1907.6	1	0.0050	-2.50	2.50	Pass
0	3.3	HSDPA	Band 2	1852.4	1	0.0043	-2.50	2.50	Pass
0	3.3	HSDPA	Band 2	1880.0	1	-0.0081	-2.50	2.50	Pass
0	3.3	HSDPA	Band 2	1907.6	1	0.0081	-2.50	2.50	Pass
0	3.8	HSDPA	Band 2	1852.4	1	0.0055	-2.50	2.50	Pass
0	3.8	HSDPA	Band 2	1880.0	1	0.0088	-2.50	2.50	Pass
0	3.8	HSDPA	Band 2	1907.6	1	0.0071	-2.50	2.50	Pass
0	4.2	HSDPA	Band	1852.4	1	0.0033	-2.50	2.50	Pass

			2						
0	4.2	HSDPA	Band 2	1880.0	1	0.0075	-2.50	2.50	Pass
0	4.2	HSDPA	Band 2	1907.6	1	0.0080	-2.50	2.50	Pass
10	3.3	HSDPA	Band 2	1852.4	1	0.0053	-2.50	2.50	Pass
10	3.3	HSDPA	Band 2	1880.0	1	0.0073	-2.50	2.50	Pass
10	3.3	HSDPA	Band 2	1907.6	1	0.0081	-2.50	2.50	Pass
10	3.8	HSDPA	Band 2	1852.4	1	-0.0107	-2.50	2.50	Pass
10	3.8	HSDPA	Band 2	1880.0	1	0.0037	-2.50	2.50	Pass
10	3.8	HSDPA	Band 2	1907.6	1	0.0066	-2.50	2.50	Pass
10	4.2	HSDPA	Band 2	1852.4	1	0.0068	-2.50	2.50	Pass
10	4.2	HSDPA	Band 2	1880.0	1	-0.0067	-2.50	2.50	Pass
10	4.2	HSDPA	Band 2	1907.6	1	0.0054	-2.50	2.50	Pass
20	3.3	HSDPA	Band 2	1852.4	1	0.0047	-2.50	2.50	Pass
20	3.3	HSDPA	Band 2	1880.0	1	0.0107	-2.50	2.50	Pass
20	3.3	HSDPA	Band 2	1907.6	1	0.0092	-2.50	2.50	Pass
20	3.8	HSDPA	Band 2	1852.4	1	0.0056	-2.50	2.50	Pass
20	3.8	HSDPA	Band 2	1880.0	1	0.0059	-2.50	2.50	Pass
20	3.8	HSDPA	Band 2	1907.6	1	0.0046	-2.50	2.50	Pass
20	4.2	HSDPA	Band 2	1852.4	1	0.0051	-2.50	2.50	Pass
20	4.2	HSDPA	Band 2	1880.0	1	0.0086	-2.50	2.50	Pass
20	4.2	HSDPA	Band 2	1907.6	1	0.0061	-2.50	2.50	Pass
30	3.3	HSDPA	Band 2	1852.4	1	0.0053	-2.50	2.50	Pass
30	3.3	HSDPA	Band 2	1880.0	1	0.0052	-2.50	2.50	Pass
30	3.3	HSDPA	Band 2	1907.6	1	0.0064	-2.50	2.50	Pass
30	3.8	HSDPA	Band 2	1852.4	1	0.0070	-2.50	2.50	Pass
30	3.8	HSDPA	Band 2	1880.0	1	0.0045	-2.50	2.50	Pass
30	3.8	HSDPA	Band 2	1907.6	1	0.0098	-2.50	2.50	Pass
30	4.2	HSDPA	Band 2	1852.4	1	0.0054	-2.50	2.50	Pass
30	4.2	HSDPA	Band 2	1880.0	1	-0.0083	-2.50	2.50	Pass
30	4.2	HSDPA	Band 2	1907.6	1	0.0109	-2.50	2.50	Pass
40	3.3	HSDPA	Band 2	1852.4	1	0.0070	-2.50	2.50	Pass
40	3.3	HSDPA	Band 2	1880.0	1	0.0076	-2.50	2.50	Pass
40	3.3	HSDPA	Band 2	1907.6	1	0.0079	-2.50	2.50	Pass
40	3.8	HSDPA	Band 2	1852.4	1	-0.0055	-2.50	2.50	Pass
40	3.8	HSDPA	Band 2	1880.0	1	0.0050	-2.50	2.50	Pass
40	3.8	HSDPA	Band 2	1907.6	1	0.0081	-2.50	2.50	Pass
40	4.2	HSDPA	Band 2	1852.4	1	0.0029	-2.50	2.50	Pass
40	4.2	HSDPA	Band 2	1880.0	1	0.0080	-2.50	2.50	Pass
40	4.2	HSDPA	Band 2	1907.6	1	0.0080	-2.50	2.50	Pass

50	3.3	HSDPA	Band 2	1852.4	1	0.0067	-2.50	2.50	Pass
50	3.3	HSDPA	Band 2	1880.0	1	0.0092	-2.50	2.50	Pass
50	3.3	HSDPA	Band 2	1907.6	1	0.0084	-2.50	2.50	Pass
50	3.8	HSDPA	Band 2	1852.4	1	0.0080	-2.50	2.50	Pass
50	3.8	HSDPA	Band 2	1880.0	1	0.0075	-2.50	2.50	Pass
50	3.8	HSDPA	Band 2	1907.6	1	-0.0082	-2.50	2.50	Pass
50	4.2	HSDPA	Band 2	1852.4	1	0.0043	-2.50	2.50	Pass
50	4.2	HSDPA	Band 2	1880.0	1	0.0101	-2.50	2.50	Pass
50	4.2	HSDPA	Band 2	1907.6	1	0.0076	-2.50	2.50	Pass