

# WCDMA Band 5 HSDPA Test Data

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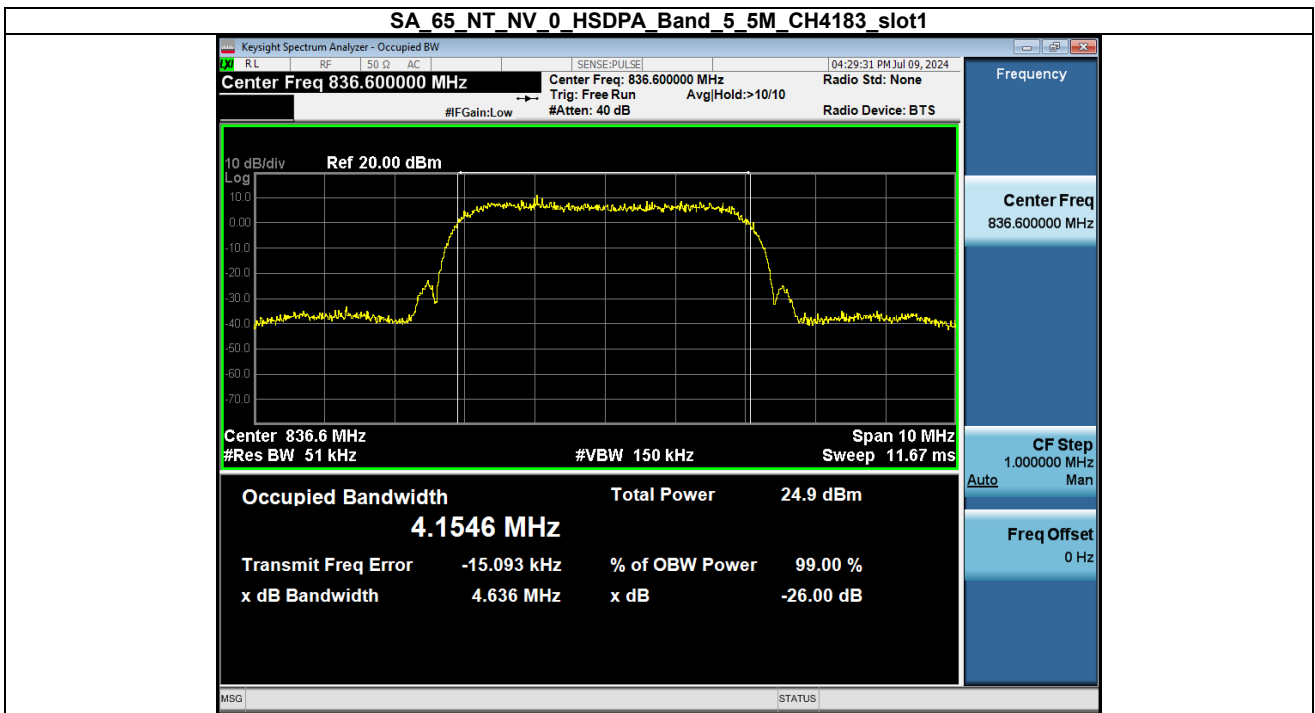
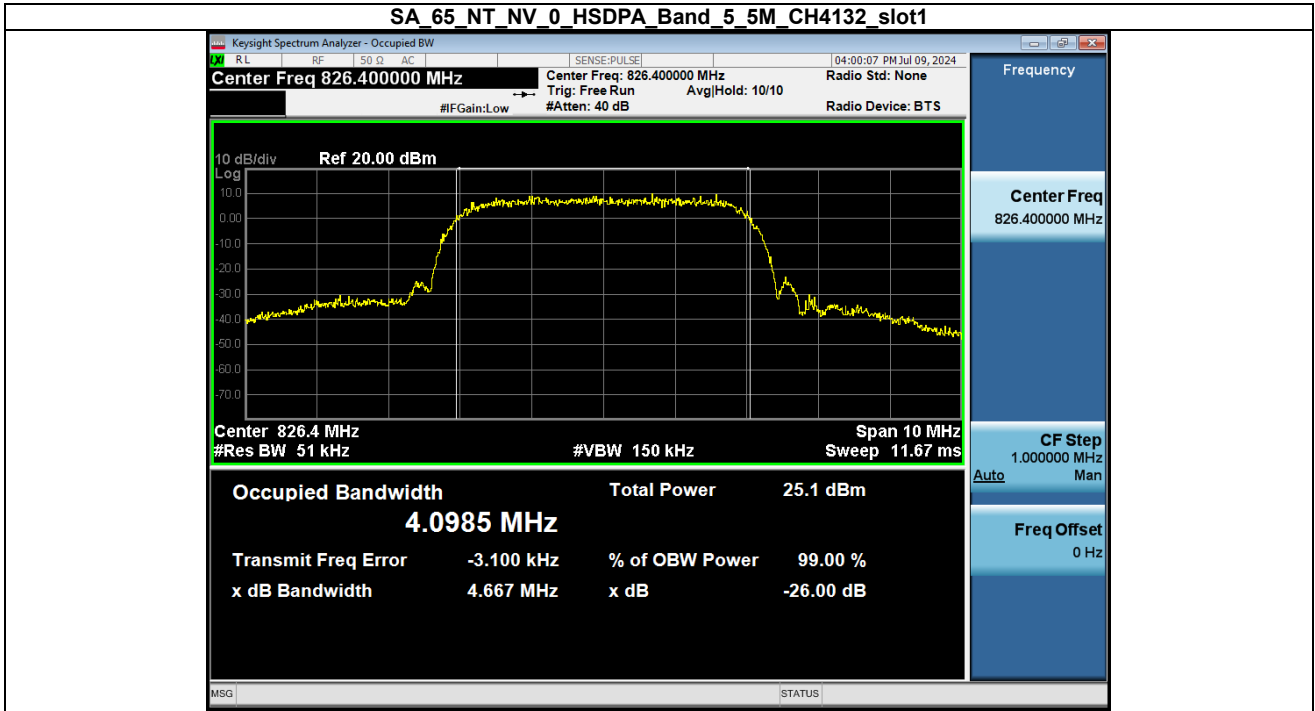
# 1. Conducted Output Power&&EIRP/ERP

Condition	Mode	Band	Frequency(MHz)	Sub	Conducted Power(dBm)	ANT Gain(dBi)	ERP(dBm)	limit(dBm)	Result
NVNT	HSDPA	Band 5	826.4	1	22.56	-6.1	14.31	38.45	Pass
NVNT	HSDPA	Band 5	826.4	2	21.98	-6.1	13.73	38.45	Pass
NVNT	HSDPA	Band 5	826.4	3	<b>22.84</b>	-6.1	14.59	38.45	Pass
NVNT	HSDPA	Band 5	826.4	4	21.57	-6.1	13.32	38.45	Pass
NVNT	HSDPA	Band 5	836.6	1	22.05	-6.1	13.80	38.45	Pass
NVNT	HSDPA	Band 5	836.6	2	21.90	-6.1	13.65	38.45	Pass
NVNT	HSDPA	Band 5	836.6	3	22.44	-6.1	14.19	38.45	Pass
NVNT	HSDPA	Band 5	836.6	4	22.45	-6.1	14.20	38.45	Pass
NVNT	HSDPA	Band 5	846.6	1	22.26	-6.1	14.01	38.45	Pass
NVNT	HSDPA	Band 5	846.6	2	22.38	-6.1	14.13	38.45	Pass
NVNT	HSDPA	Band 5	846.6	3	21.91	-6.1	13.66	38.45	Pass
NVNT	HSDPA	Band 5	846.6	4	22.17	-6.1	13.92	38.45	Pass

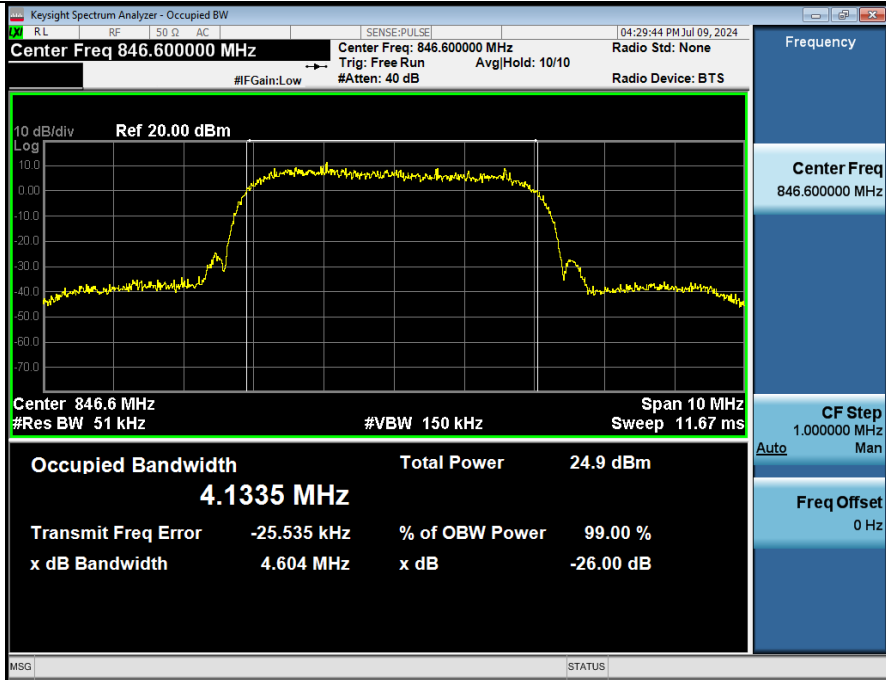
ERP = Conducted Power + ANT Gain - 2.15

## 2. Occupied Bandwidth

Condition	Mode	Band	Frequency(MHz)	Sub	OBW(MHz)	-26EBW(MHz)
NVNT	HSDPA	Band 5	826.4	1	4.0985	4.6674
NVNT	HSDPA	Band 5	836.6	1	4.1546	4.6364
NVNT	HSDPA	Band 5	846.6	1	4.1335	4.6041

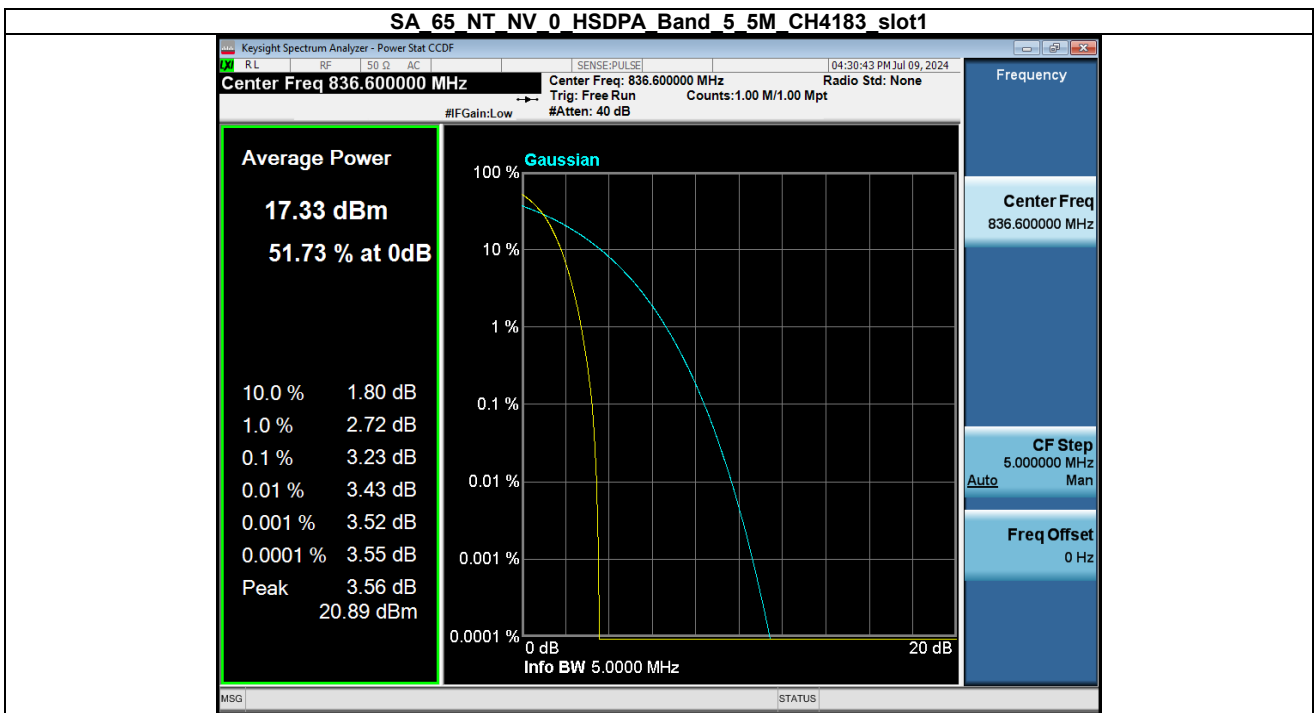
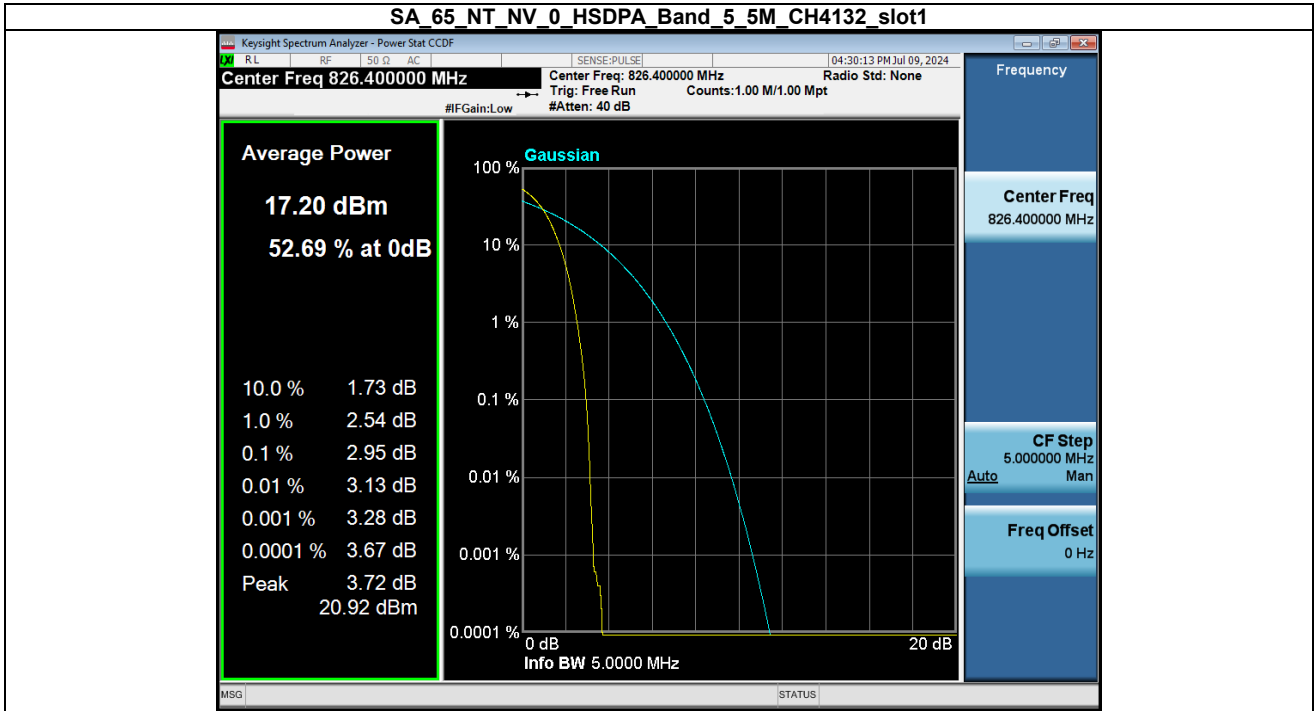


**SA\_65\_NT\_NV\_0\_HSDPA\_Band\_5\_5M\_CH4233\_slot1**

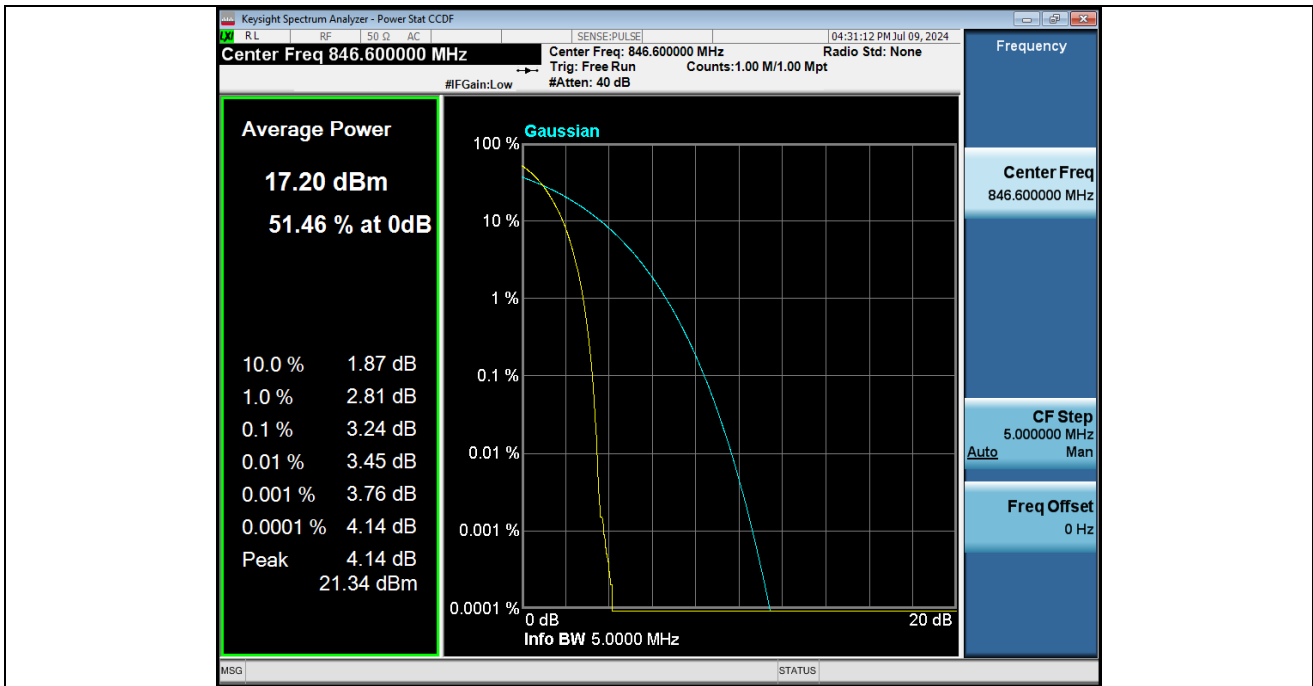


### 3. Peak to Average Ratio

Condition	Mode	Band	Frequency(MHz)	Sub	Peak to AVG Ratio-0.1%(dB)	Limit(dB)	Result
NVNT	HSDPA	Band 5	826.4	1	2.95	13.00	Pass
NVNT	HSDPA	Band 5	836.6	1	3.23	13.00	Pass
NVNT	HSDPA	Band 5	846.6	1	3.24	13.00	Pass

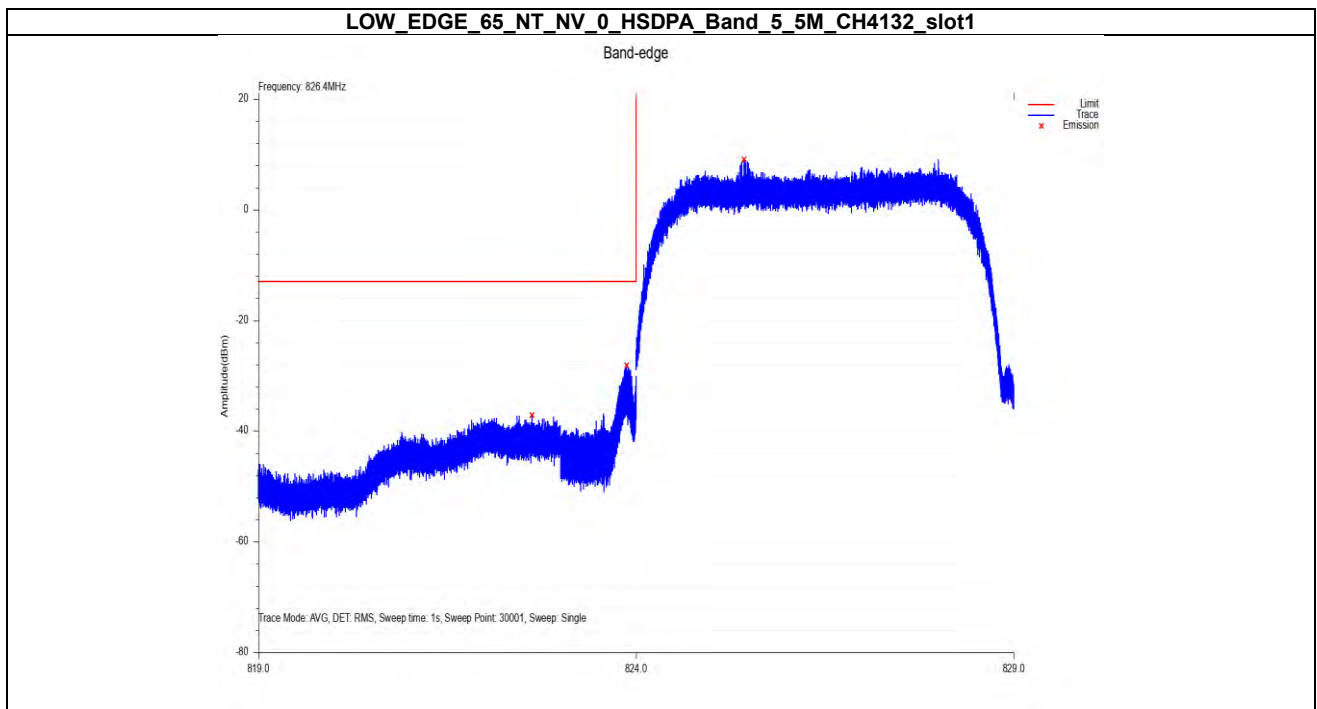


**SA\_65\_NT\_NV\_0\_HSDPA\_Band\_5\_5M\_CH4233\_slot1**



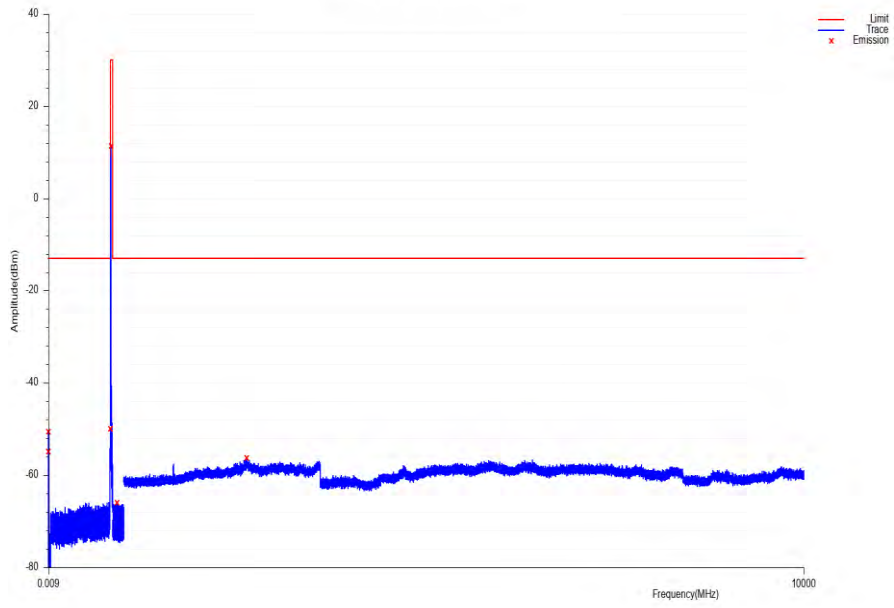
## 4. Unwanted Spurious Emission

Condition	Mode	Band	Frequency(MHz)	Sub	RBW(kHz)	Test Freq Range(MHz)	Spur Freq (MHz)	Spur Level(dBm)	Limit(dBm)	Result
NVNT	HSDPA	Band 5	826.40	1	100	819.0~823.0	822.624	-37.09	-13	Pass
NVNT	HSDPA	Band 5	826.40	1	50.0	823.0~824.0	823.875	-28.14	-13	Pass
NVNT	HSDPA	Band 5	826.40	1	1	0.009~0.150	0.098	-54.85	-13	Pass
NVNT	HSDPA	Band 5	826.40	1	10	0.150~30.000	3.435	-50.56	-13	Pass
NVNT	HSDPA	Band 5	826.40	1	100	30.000~819.000	818.711	-49.99	-13	Pass
NVNT	HSDPA	Band 5	826.40	1	100	854.000~1000.000	910.736	-65.99	-13	Pass
NVNT	HSDPA	Band 5	826.40	1	1000	1000.000~10000.000	2621.500	-56.27	-13	Pass
NVNT	HSDPA	Band 5	836.60	1	1	0.009~0.150	0.099	-55.24	-13	Pass
NVNT	HSDPA	Band 5	836.60	1	10	0.150~30.000	3.579	-49.67	-13	Pass
NVNT	HSDPA	Band 5	836.60	1	100	30.000~819.000	711.617	-65.77	-13	Pass
NVNT	HSDPA	Band 5	836.60	1	100	854.000~1000.000	885.302	-65.72	-13	Pass
NVNT	HSDPA	Band 5	836.60	1	1000	1000.000~10000.000	2619.100	-56.69	-13	Pass
NVNT	HSDPA	Band 5	846.60	1	50.0	849.0~850.0	849.131	-27.63	-13	Pass
NVNT	HSDPA	Band 5	846.60	1	100	850.0~854.0	850.532	-36.94	-13	Pass
NVNT	HSDPA	Band 5	846.60	1	1	0.009~0.150	0.098	-55.89	-13	Pass
NVNT	HSDPA	Band 5	846.60	1	10	0.150~30.000	3.645	-51.73	-13	Pass
NVNT	HSDPA	Band 5	846.60	1	100	30.000~819.000	450.353	-66.09	-13	Pass
NVNT	HSDPA	Band 5	846.60	1	100	854.000~1000.000	986.344	-66.04	-13	Pass
NVNT	HSDPA	Band 5	846.60	1	1000	1000.000~10000.000	2626.900	-56.86	-13	Pass



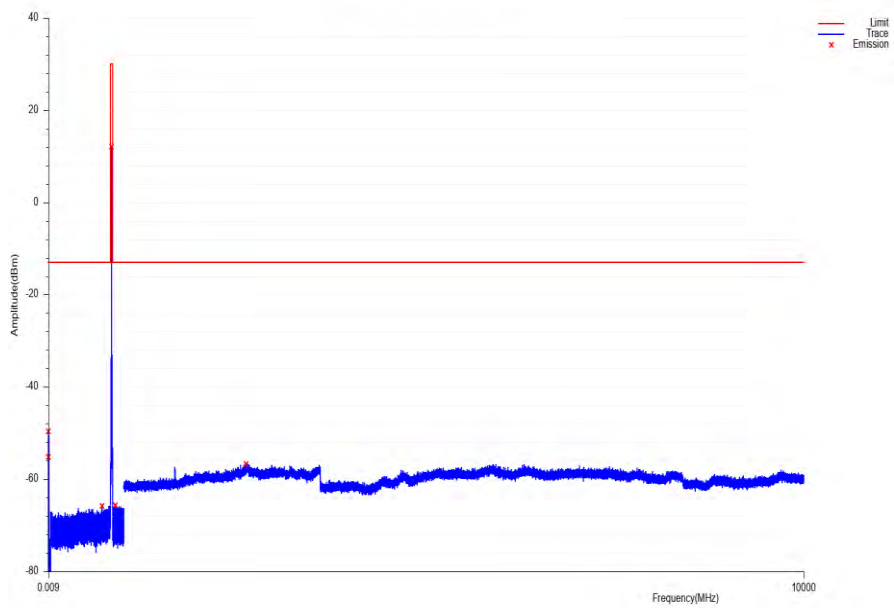
**SA\_65\_NT\_NV\_0\_HSDPA\_Band\_5\_5M\_CH4132\_slot1**

Unwanted spurious emissions



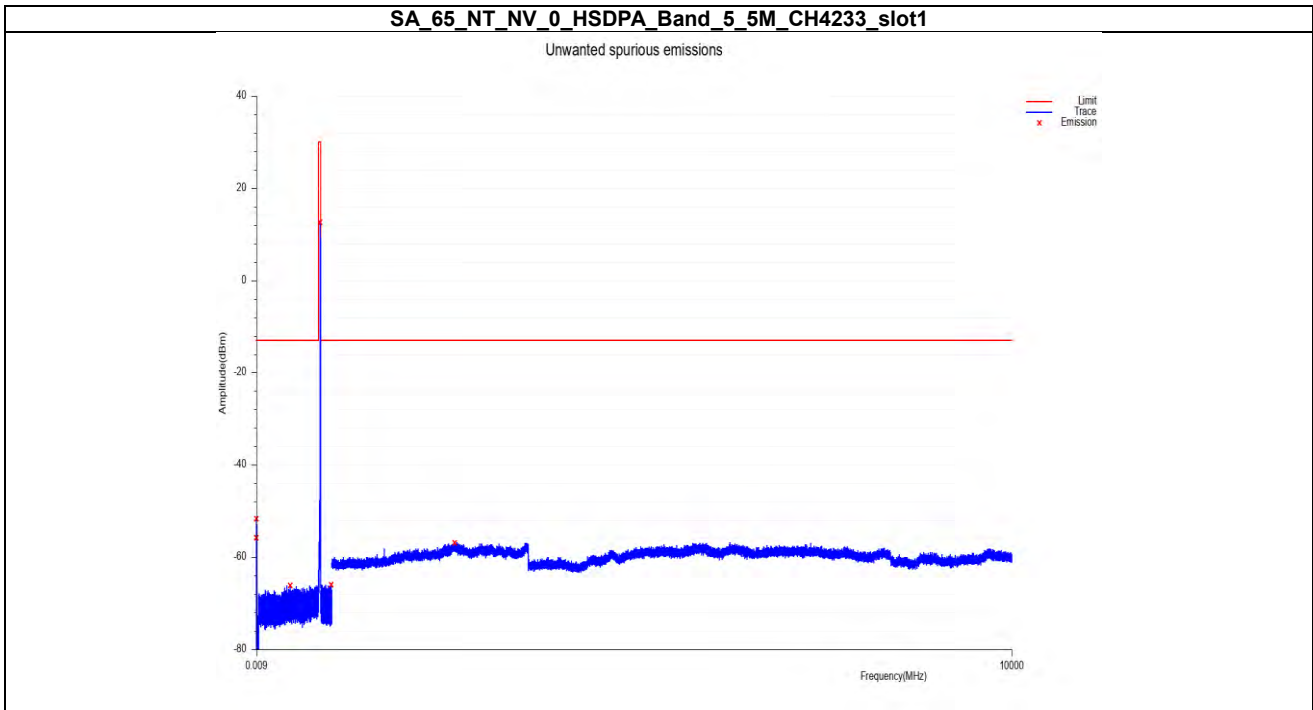
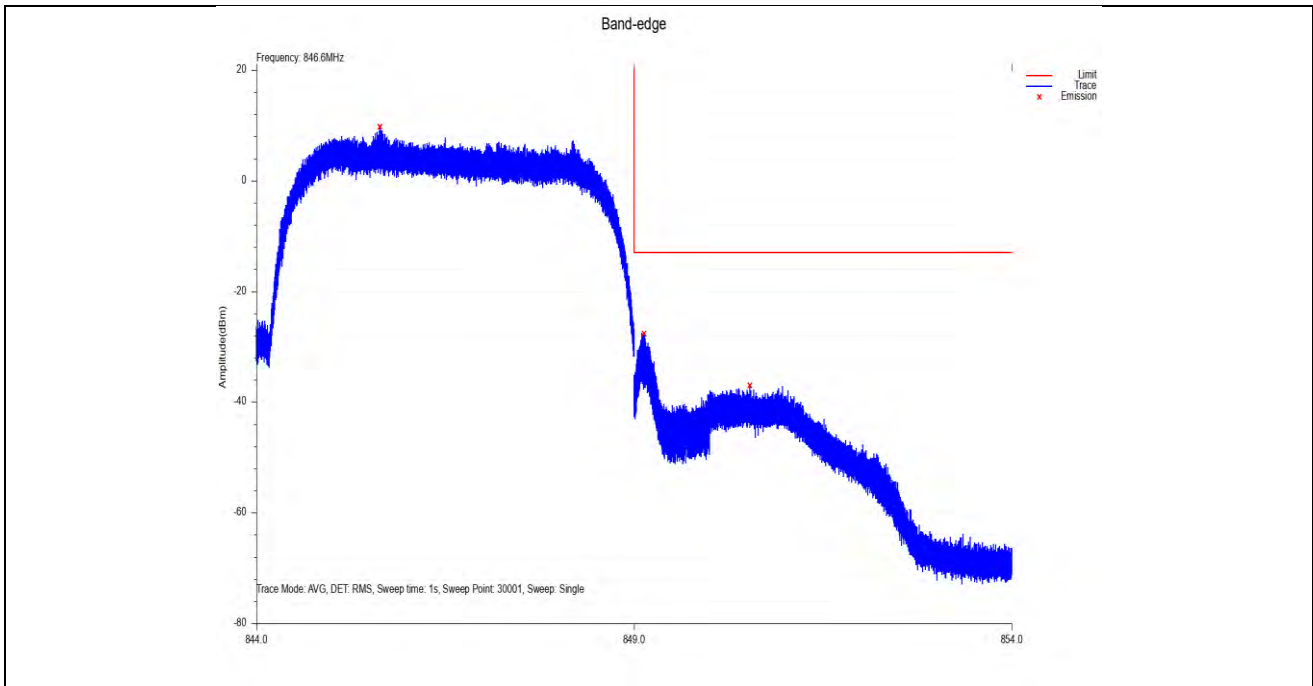
**SA\_65\_NT\_NV\_0\_HSDPA\_Band\_5\_5M\_CH4183\_slot1**

Unwanted spurious emissions



**UPPER\_EDGE\_65\_NT\_NV\_0\_HSDPA\_Band\_5\_5M\_CH4233\_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 5	826.4	1	-0.0103	-2.50	2.50	Pass
-30	3.3	HSDPA	Band 5	836.6	1	-0.0064	-2.50	2.50	Pass
-30	3.3	HSDPA	Band 5	846.6	1	-0.0047	-2.50	2.50	Pass
-30	3.8	HSDPA	Band 5	826.4	1	-0.0044	-2.50	2.50	Pass
-30	3.8	HSDPA	Band 5	836.6	1	-0.0054	-2.50	2.50	Pass
-30	3.8	HSDPA	Band 5	846.6	1	-0.0049	-2.50	2.50	Pass
-30	4.2	HSDPA	Band 5	826.4	1	-0.0051	-2.50	2.50	Pass
-30	4.2	HSDPA	Band 5	836.6	1	-0.0057	-2.50	2.50	Pass
-30	4.2	HSDPA	Band 5	846.6	1	-0.0027	-2.50	2.50	Pass
-20	3.3	HSDPA	Band 5	826.4	1	-0.0042	-2.50	2.50	Pass
-20	3.3	HSDPA	Band 5	836.6	1	-0.0057	-2.50	2.50	Pass
-20	3.3	HSDPA	Band 5	846.6	1	-0.0020	-2.50	2.50	Pass
-20	3.8	HSDPA	Band 5	826.4	1	-0.0058	-2.50	2.50	Pass
-20	3.8	HSDPA	Band 5	836.6	1	-0.0028	-2.50	2.50	Pass
-20	3.8	HSDPA	Band 5	846.6	1	-0.0047	-2.50	2.50	Pass
-20	4.2	HSDPA	Band 5	826.4	1	-0.0017	-2.50	2.50	Pass
-20	4.2	HSDPA	Band 5	836.6	1	-0.0087	-2.50	2.50	Pass
-20	4.2	HSDPA	Band 5	846.6	1	-0.0029	-2.50	2.50	Pass
-10	3.3	HSDPA	Band 5	826.4	1	-0.0011	-2.50	2.50	Pass
-10	3.3	HSDPA	Band 5	836.6	1	-0.0062	-2.50	2.50	Pass
-10	3.3	HSDPA	Band 5	846.6	1	-0.0013	-2.50	2.50	Pass
-10	3.8	HSDPA	Band 5	826.4	1	-0.0041	-2.50	2.50	Pass
-10	3.8	HSDPA	Band 5	836.6	1	-0.0053	-2.50	2.50	Pass
-10	3.8	HSDPA	Band 5	846.6	1	-0.0030	-2.50	2.50	Pass
-10	4.2	HSDPA	Band 5	826.4	1	-0.0018	-2.50	2.50	Pass
-10	4.2	HSDPA	Band 5	836.6	1	-0.0067	-2.50	2.50	Pass
-10	4.2	HSDPA	Band 5	846.6	1	-0.0013	-2.50	2.50	Pass
0	3.3	HSDPA	Band 5	826.4	1	-0.0042	-2.50	2.50	Pass
0	3.3	HSDPA	Band 5	836.6	1	-0.0085	-2.50	2.50	Pass
0	3.3	HSDPA	Band 5	846.6	1	-0.0019	-2.50	2.50	Pass
0	3.8	HSDPA	Band 5	826.4	1	-0.0055	-2.50	2.50	Pass
0	3.8	HSDPA	Band 5	836.6	1	-0.0027	-2.50	2.50	Pass
0	3.8	HSDPA	Band 5	846.6	1	0.0003	-2.50	2.50	Pass
0	4.2	HSDPA	Band	826.4	1	-0.0003	-2.50	2.50	Pass

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0	4.2	HSDPA	Band 5	836.6	1	-0.0050	-2.50	2.50	Pass
0	4.2	HSDPA	Band 5	846.6	1	-0.0028	-2.50	2.50	Pass
10	3.3	HSDPA	Band 5	826.4	1	-0.0019	-2.50	2.50	Pass
10	3.3	HSDPA	Band 5	836.6	1	-0.0067	-2.50	2.50	Pass
10	3.3	HSDPA	Band 5	846.6	1	-0.0032	-2.50	2.50	Pass
10	3.8	HSDPA	Band 5	826.4	1	-0.0041	-2.50	2.50	Pass
10	3.8	HSDPA	Band 5	836.6	1	-0.0078	-2.50	2.50	Pass
10	3.8	HSDPA	Band 5	846.6	1	-0.0016	-2.50	2.50	Pass
10	4.2	HSDPA	Band 5	826.4	1	-0.0037	-2.50	2.50	Pass
10	4.2	HSDPA	Band 5	836.6	1	-0.0059	-2.50	2.50	Pass
10	4.2	HSDPA	Band 5	846.6	1	-0.0039	-2.50	2.50	Pass
20	3.3	HSDPA	Band 5	826.4	1	-0.0032	-2.50	2.50	Pass
20	3.3	HSDPA	Band 5	836.6	1	-0.0056	-2.50	2.50	Pass
20	3.3	HSDPA	Band 5	846.6	1	-0.0044	-2.50	2.50	Pass
20	3.8	HSDPA	Band 5	826.4	1	-0.0061	-2.50	2.50	Pass
20	3.8	HSDPA	Band 5	836.6	1	-0.0057	-2.50	2.50	Pass
20	3.8	HSDPA	Band 5	846.6	1	-0.0034	-2.50	2.50	Pass
20	4.2	HSDPA	Band 5	826.4	1	-0.0056	-2.50	2.50	Pass
20	4.2	HSDPA	Band 5	836.6	1	-0.0081	-2.50	2.50	Pass
20	4.2	HSDPA	Band 5	846.6	1	-0.0048	-2.50	2.50	Pass
30	3.3	HSDPA	Band 5	826.4	1	-0.0063	-2.50	2.50	Pass
30	3.3	HSDPA	Band 5	836.6	1	-0.0076	-2.50	2.50	Pass
30	3.3	HSDPA	Band 5	846.6	1	-0.0042	-2.50	2.50	Pass
30	3.8	HSDPA	Band 5	826.4	1	-0.0022	-2.50	2.50	Pass
30	3.8	HSDPA	Band 5	836.6	1	-0.0094	-2.50	2.50	Pass
30	3.8	HSDPA	Band 5	846.6	1	-0.0008	-2.50	2.50	Pass
30	4.2	HSDPA	Band 5	826.4	1	-0.0010	-2.50	2.50	Pass
30	4.2	HSDPA	Band 5	836.6	1	-0.0084	-2.50	2.50	Pass
30	4.2	HSDPA	Band 5	846.6	1	-0.0051	-2.50	2.50	Pass
40	3.3	HSDPA	Band 5	826.4	1	-0.0017	-2.50	2.50	Pass
40	3.3	HSDPA	Band 5	836.6	1	-0.0063	-2.50	2.50	Pass
40	3.3	HSDPA	Band 5	846.6	1	-0.0029	-2.50	2.50	Pass
40	3.8	HSDPA	Band 5	826.4	1	-0.0031	-2.50	2.50	Pass
40	3.8	HSDPA	Band 5	836.6	1	-0.0056	-2.50	2.50	Pass
40	3.8	HSDPA	Band 5	846.6	1	-0.0004	-2.50	2.50	Pass
40	4.2	HSDPA	Band 5	826.4	1	-0.0036	-2.50	2.50	Pass
40	4.2	HSDPA	Band 5	836.6	1	-0.0067	-2.50	2.50	Pass
40	4.2	HSDPA	Band 5	846.6	1	-0.0020	-2.50	2.50	Pass

50	3.3	HSDPA	Band 5	826.4	1	-0.0047	-2.50	2.50	Pass
50	3.3	HSDPA	Band 5	836.6	1	-0.0046	-2.50	2.50	Pass
50	3.3	HSDPA	Band 5	846.6	1	-0.0010	-2.50	2.50	Pass
50	3.8	HSDPA	Band 5	826.4	1	-0.0021	-2.50	2.50	Pass
50	3.8	HSDPA	Band 5	836.6	1	-0.0057	-2.50	2.50	Pass
50	3.8	HSDPA	Band 5	846.6	1	-0.0016	-2.50	2.50	Pass
50	4.2	HSDPA	Band 5	826.4	1	-0.0047	-2.50	2.50	Pass
50	4.2	HSDPA	Band 5	836.6	1	-0.0049	-2.50	2.50	Pass
50	4.2	HSDPA	Band 5	846.6	1	-0.0047	-2.50	2.50	Pass