

WCDMA Band 2 HSUPA Test Data

FCC ID: 2BQHT-TAB-T104-6

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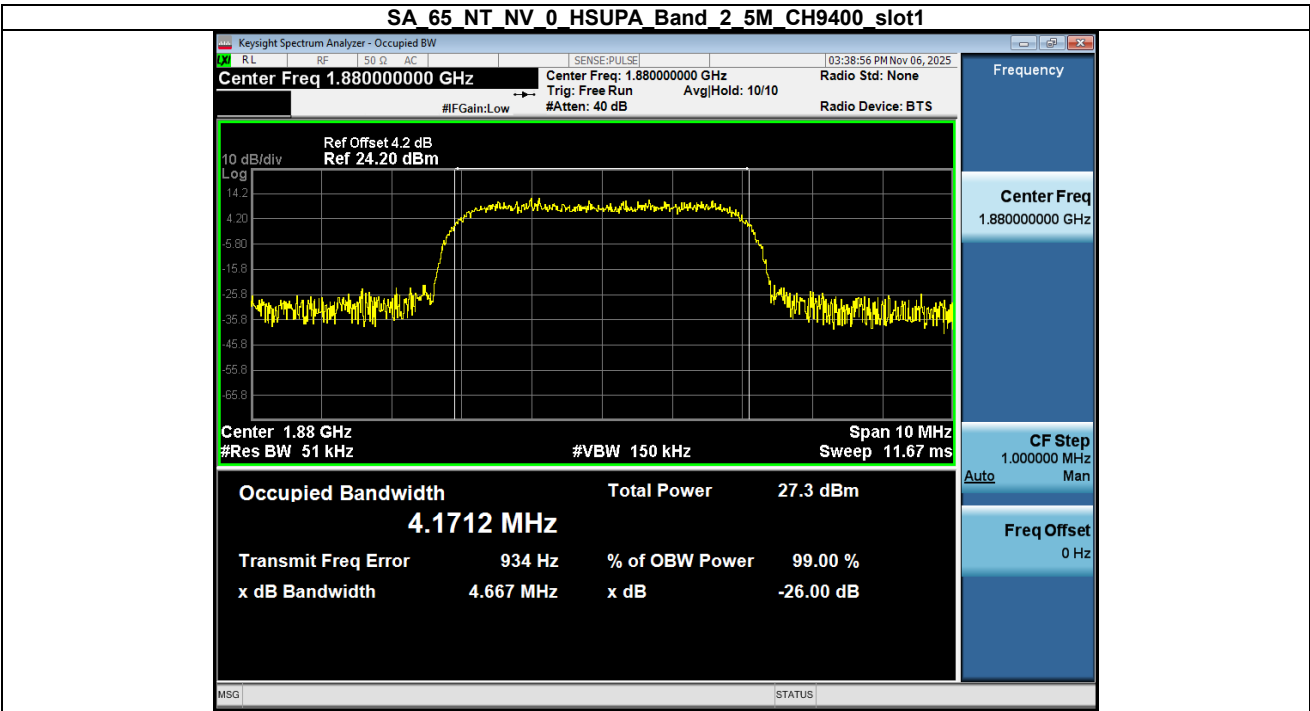
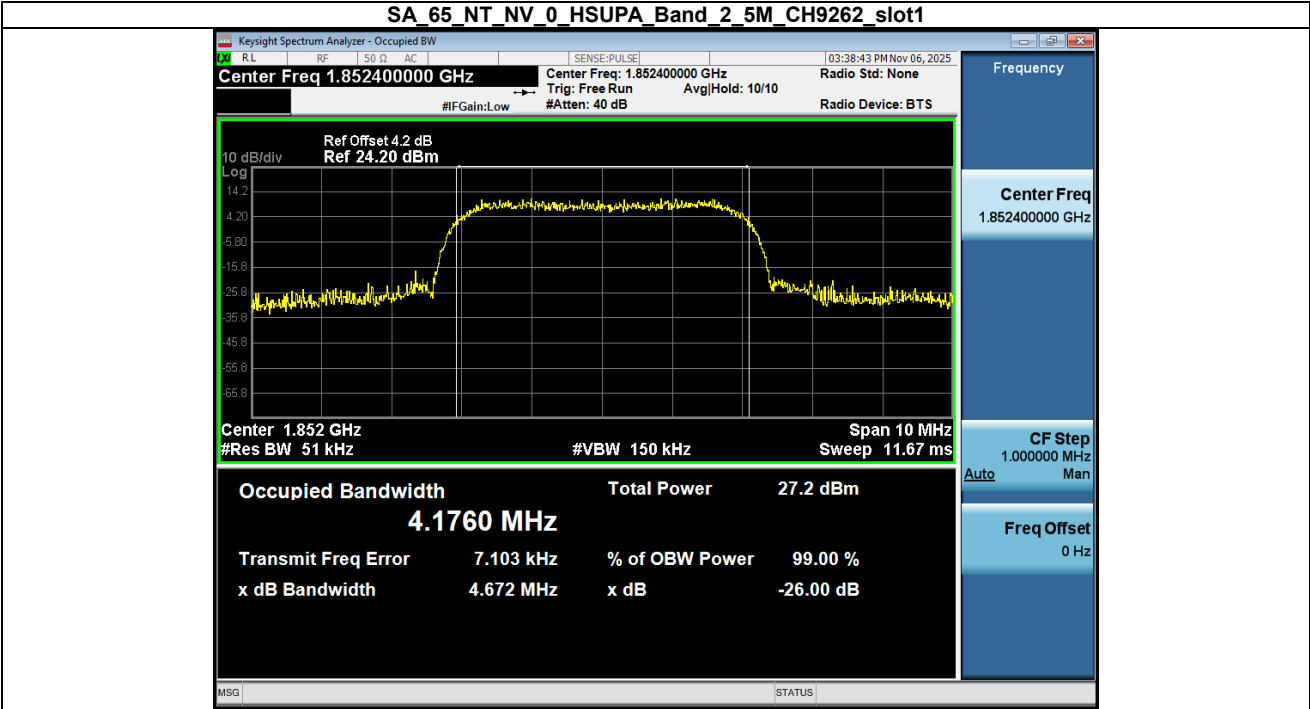
1. Conducted Output Power&&EIRP/ERP

Condition	Mode	Band	Frequency (MHz)	Sub	Conducted Power(dBm)	ANT Gain(dBi)	EIRP(dBm)	limit(dBm)	Result
NVNT	HSUPA	Band 2	1852.4	1	21.57	2.16	23.73	33.01	Pass
NVNT	HSUPA	Band 2	1852.4	2	20.45	2.16	22.61	33.01	Pass
NVNT	HSUPA	Band 2	1852.4	3	21.34	2.16	23.50	33.01	Pass
NVNT	HSUPA	Band 2	1852.4	4	21.42	2.16	23.58	33.01	Pass
NVNT	HSUPA	Band 2	1852.4	5	22.07	2.16	24.23	33.01	Pass
NVNT	HSUPA	Band 2	1880.0	1	19.68	2.16	21.84	33.01	Pass
NVNT	HSUPA	Band 2	1880.0	2	21.15	2.16	23.31	33.01	Pass
NVNT	HSUPA	Band 2	1880.0	3	21.32	2.16	23.48	33.01	Pass
NVNT	HSUPA	Band 2	1880.0	4	21.37	2.16	23.53	33.01	Pass
NVNT	HSUPA	Band 2	1880.0	5	20.41	2.16	22.57	33.01	Pass
NVNT	HSUPA	Band 2	1907.6	1	21.88	2.16	24.04	33.01	Pass
NVNT	HSUPA	Band 2	1907.6	2	20.88	2.16	23.04	33.01	Pass
NVNT	HSUPA	Band 2	1907.6	3	21.09	2.16	23.25	33.01	Pass
NVNT	HSUPA	Band 2	1907.6	4	21.84	2.16	24.00	33.01	Pass
NVNT	HSUPA	Band 2	1907.6	5	22.26	2.16	24.42	33.01	Pass

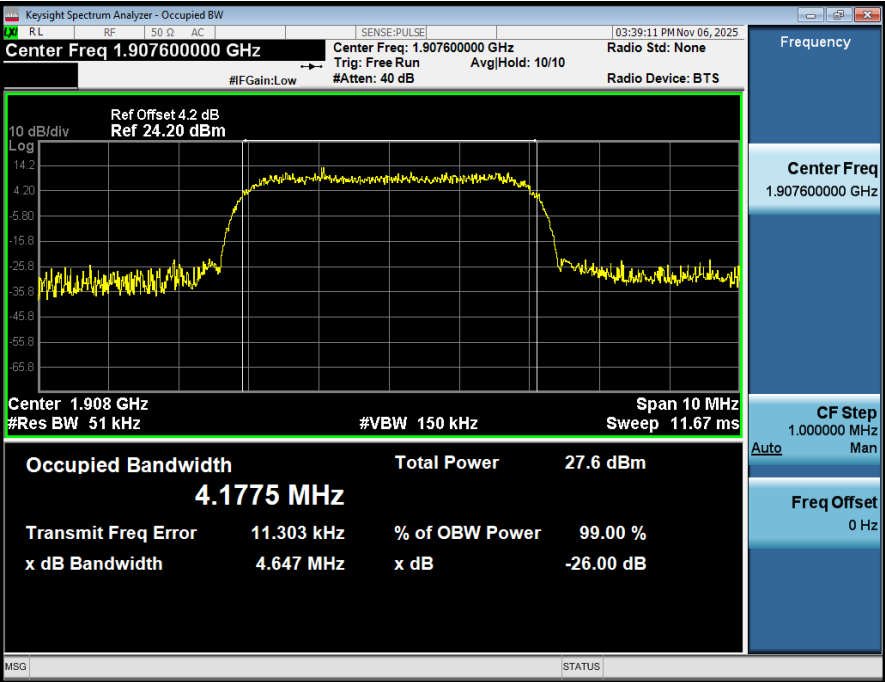
EIRP = Conducted Power + ANT Gain

2. Occupied Bandwidth

Condition	Mode	Band	Frequency(MHz)	Sub	OBW(MHz)	-26EBW(MHz)
NVNT	HSUPA	Band 2	1852.4	1	4.1759	4.6716
NVNT	HSUPA	Band 2	1880.0	1	4.1712	4.6669
NVNT	HSUPA	Band 2	1907.6	1	4.1775	4.6467

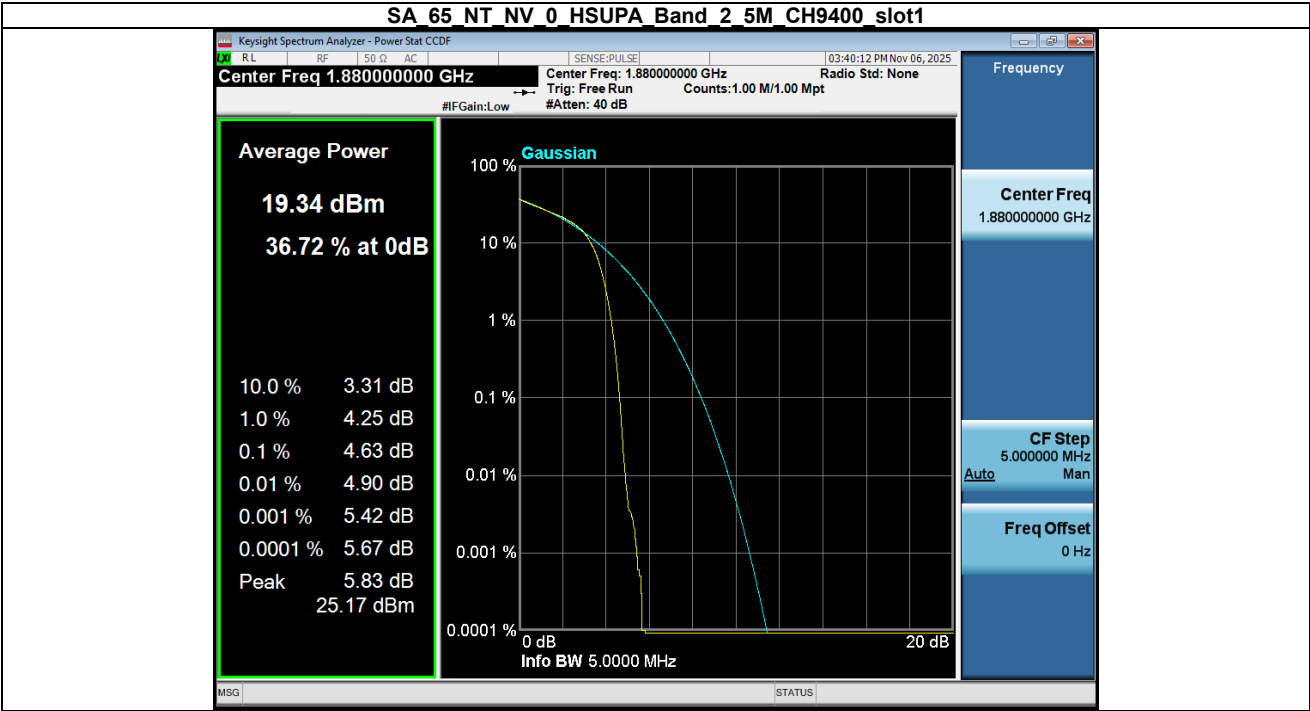
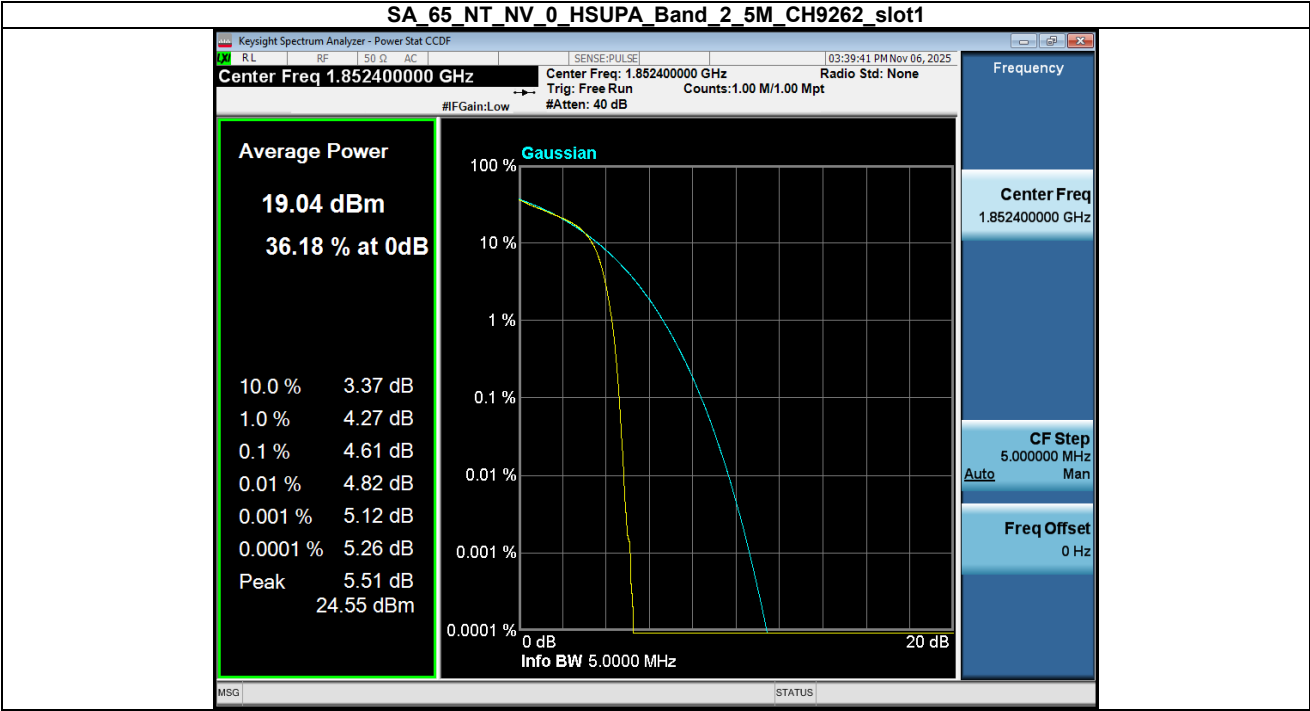


SA_65_NT_NV_0_HSUPA_Band_2_5M_CH9538_slot1

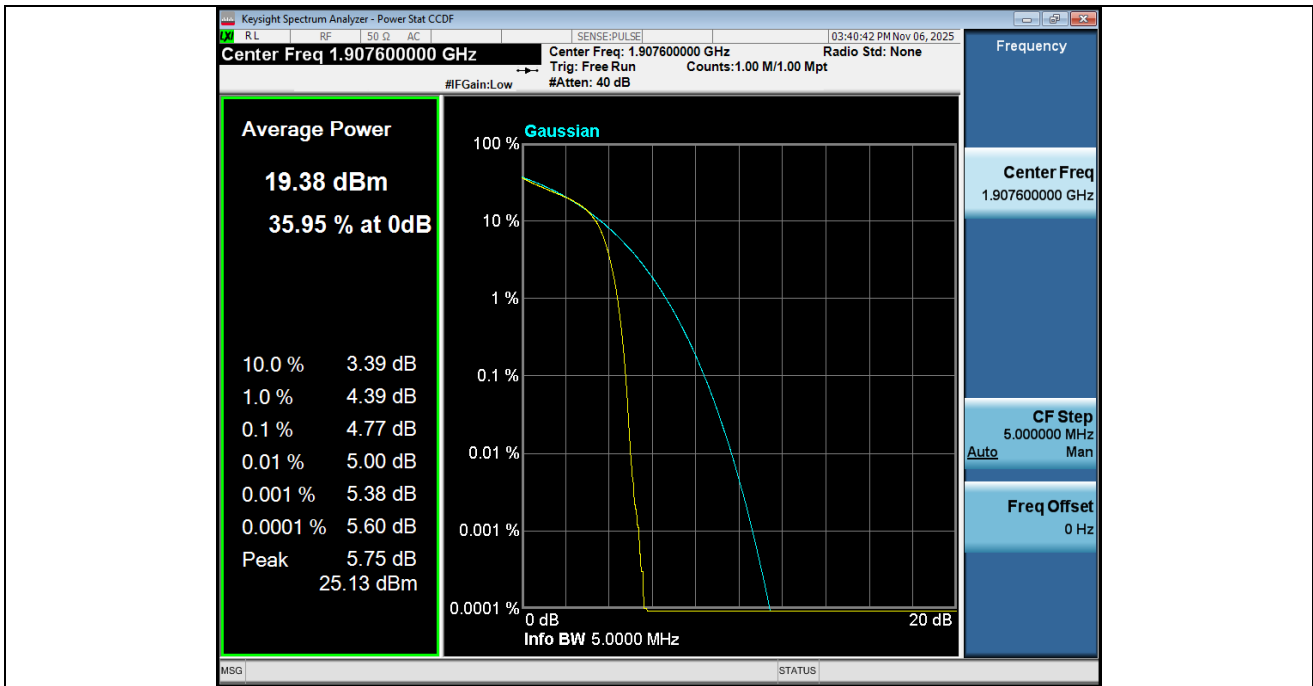


3. Peak to Average Ratio

Condition	Mode	Band	Frequency(MHz)	Sub	Peak to AVG Ratio-0.1%(dB)	Limit(dB)	Result
NVNT	HSUPA	Band 2	1852.4	1	4.61	13.00	Pass
NVNT	HSUPA	Band 2	1880.0	1	4.63	13.00	Pass
NVNT	HSUPA	Band 2	1907.6	1	4.77	13.00	Pass

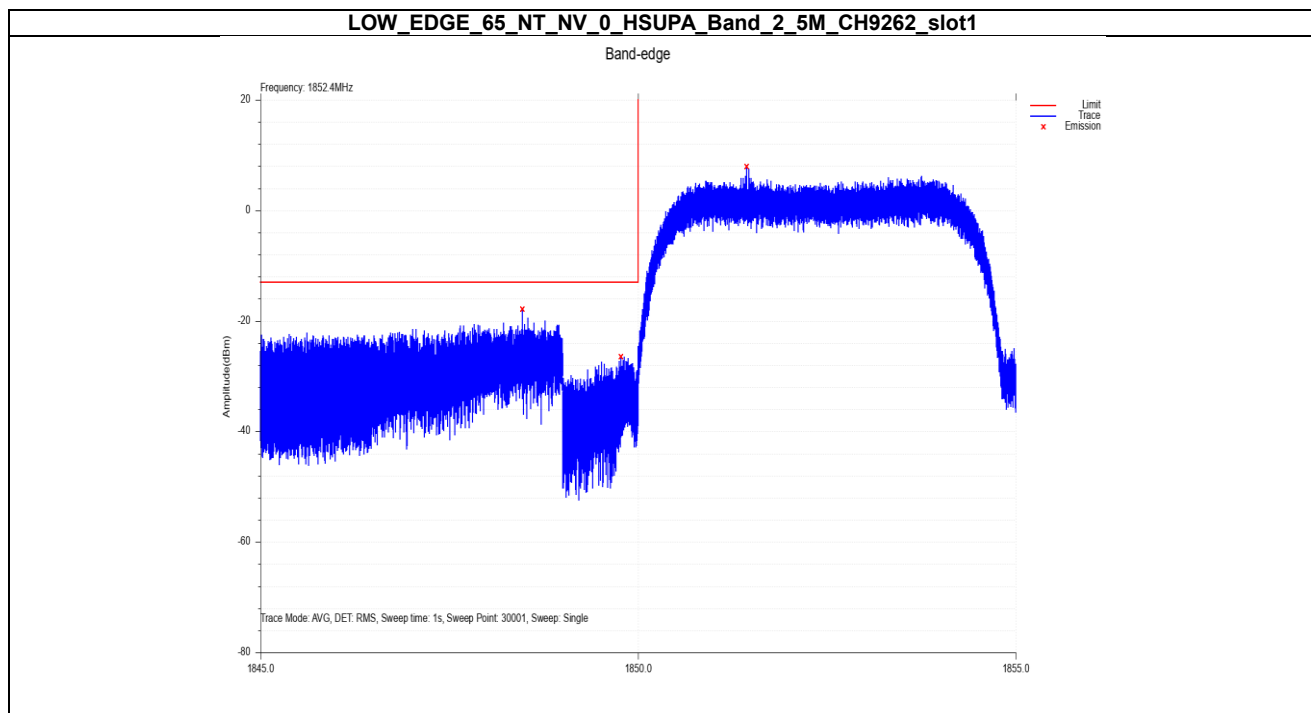


SA_65_NT_NV_0_HSUPA_Band_2_5M_CH9538_slot1

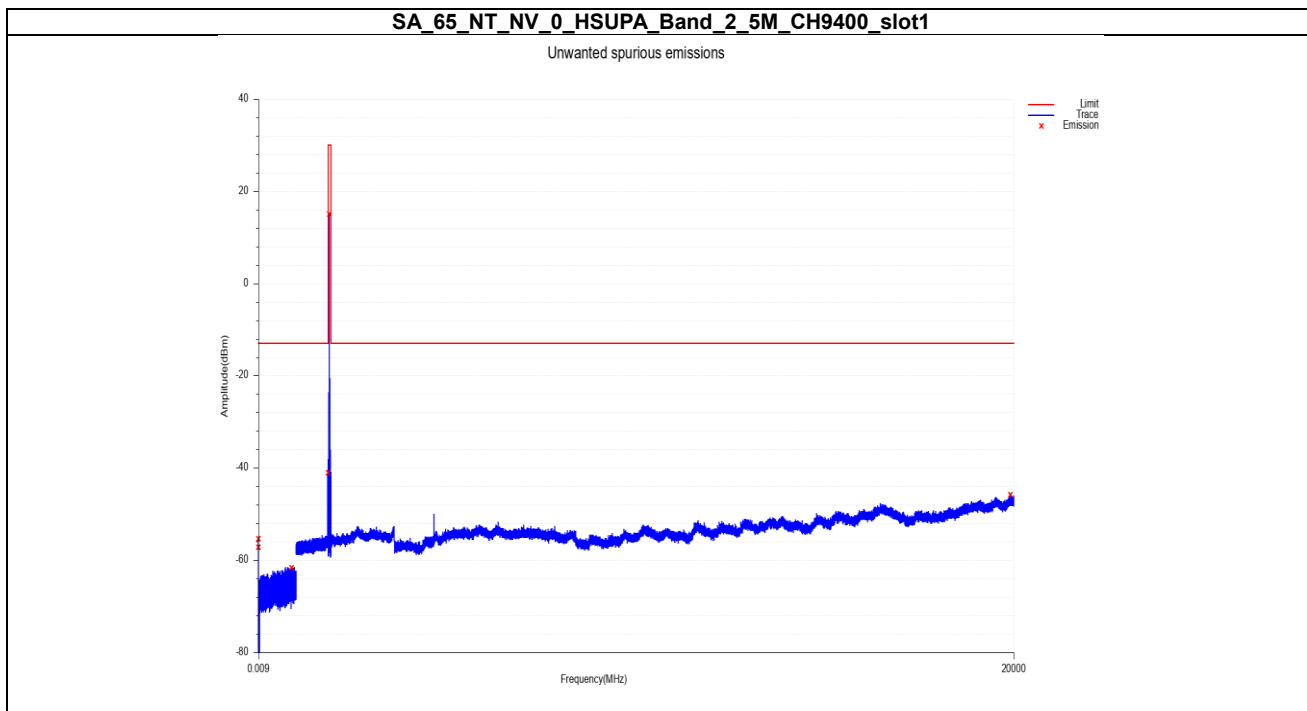
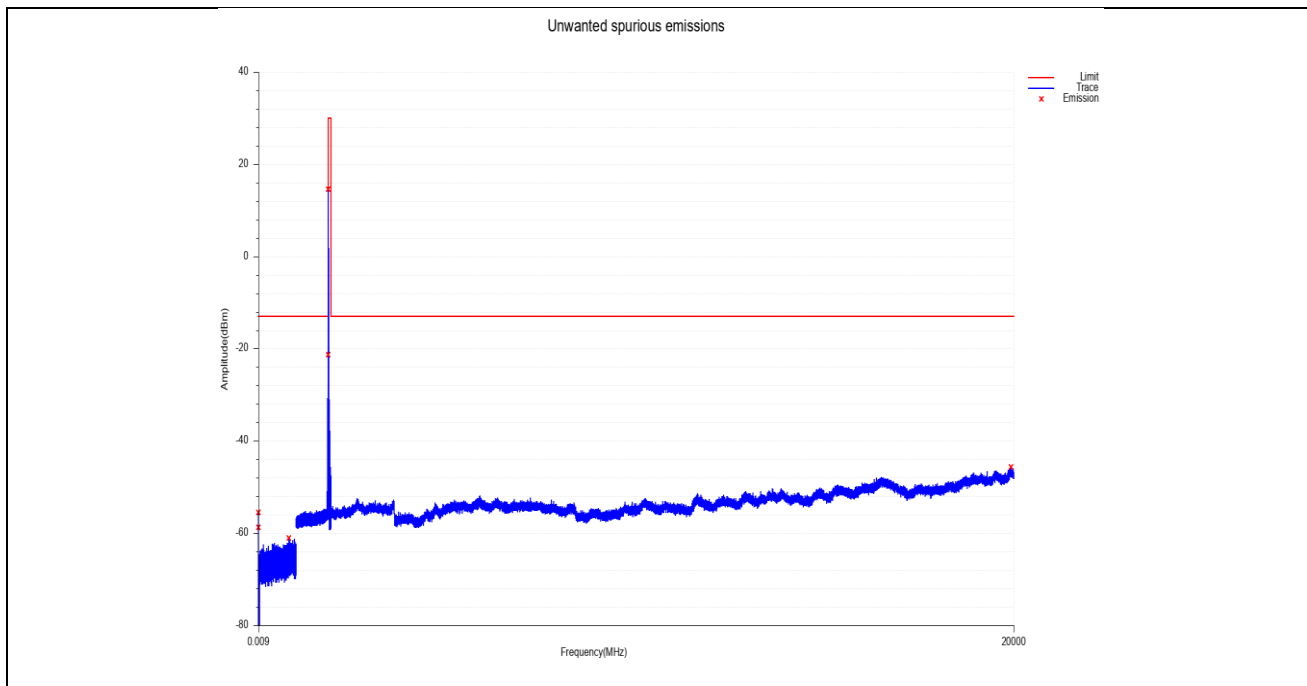


4. Unwanted Spurious Emission

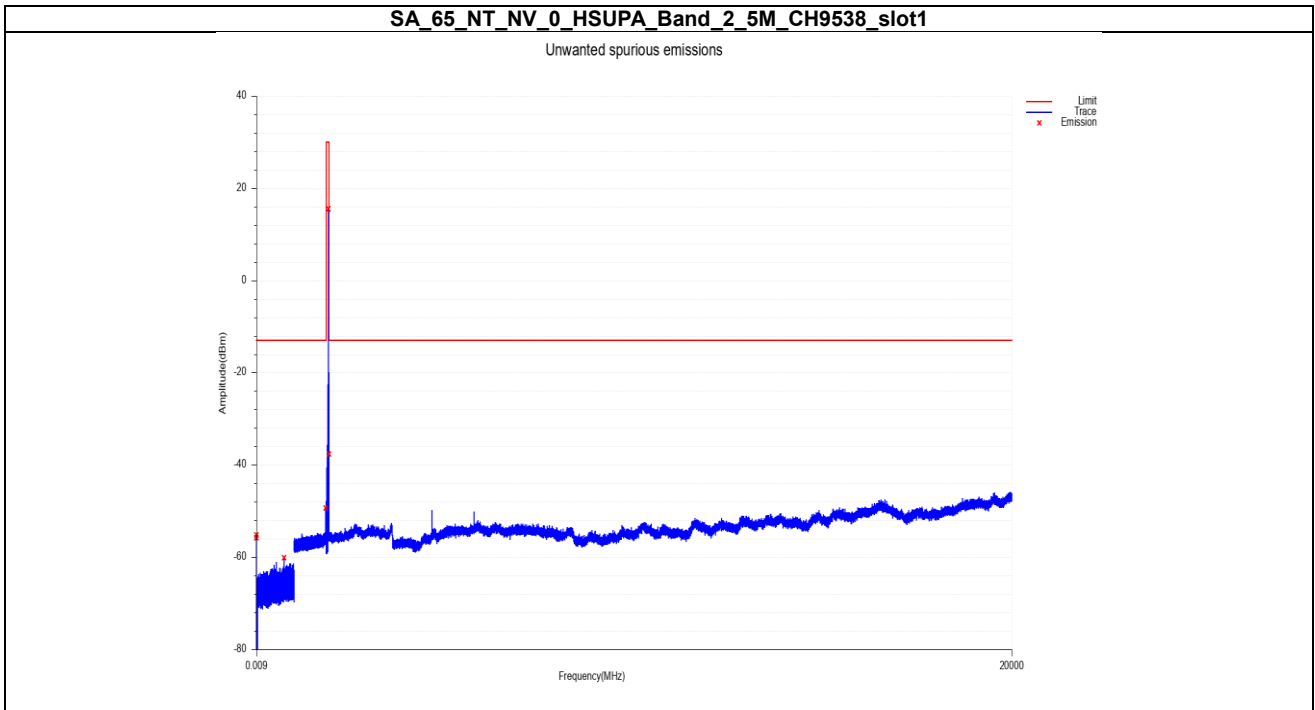
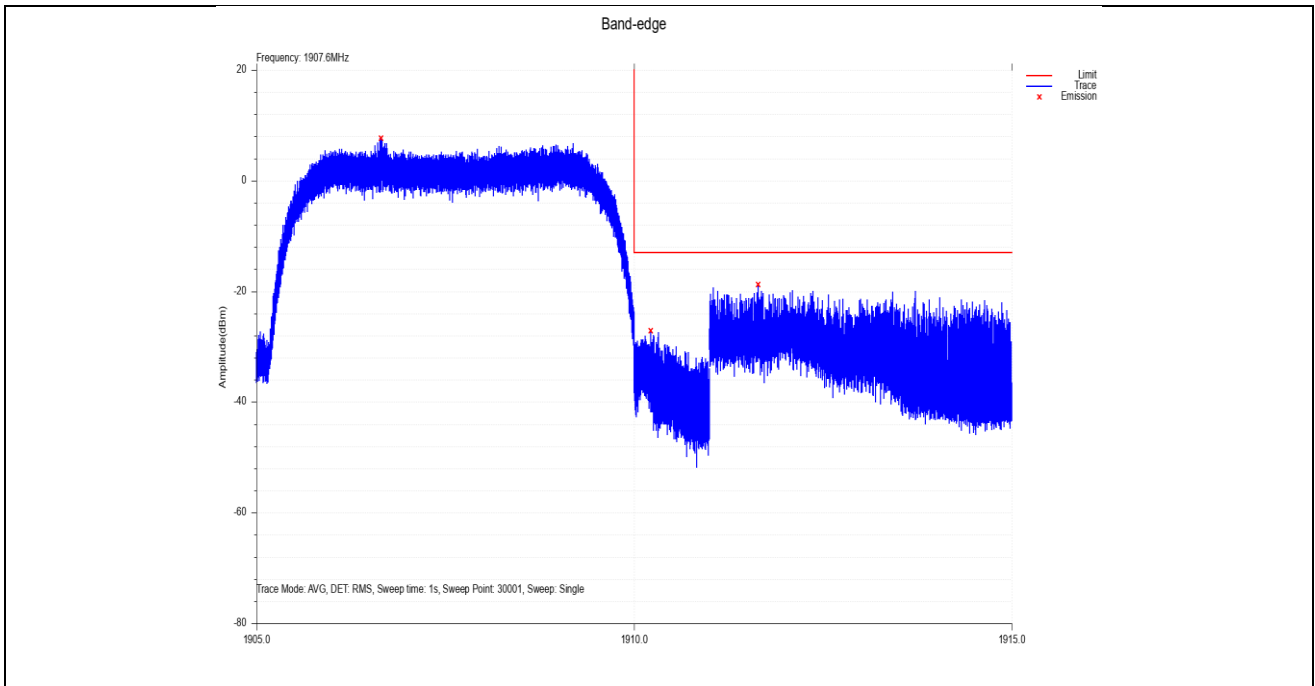
Condition	Mode	Band	Frequency (MHz)	Sub	RBW(kHz)	Test Freq Range(MHz)	Spur Freq (MHz)	Spur Level(dBm)	Limit(dBm)	Result
NVNT	HSUPA	Band 2	1852.40	1	1000	1845.0~1849.0	1848.466	-17.84	-13	Pass
NVNT	HSUPA	Band 2	1852.40	1	50.0	1849.0~1850.0	1849.776	-26.44	-13	Pass
NVNT	HSUPA	Band 2	1852.40	1	1	0.009~0.150	0.012	-55.50	-13	Pass
NVNT	HSUPA	Band 2	1852.40	1	10	0.150~30.000	0.157	-58.69	-13	Pass
NVNT	HSUPA	Band 2	1852.40	1	100	30.000~1000.000	804.189	-61.10	-13	Pass
NVNT	HSUPA	Band 2	1852.40	1	1000	1000.000~1845.000	1844.831	-21.30	-13	Pass
NVNT	HSUPA	Band 2	1852.40	1	1000	1915.000~20000.000	19922.837	-45.72	-13	Pass
NVNT	HSUPA	Band 2	1880.00	1	1	0.009~0.150	0.011	-55.34	-13	Pass
NVNT	HSUPA	Band 2	1880.00	1	10	0.150~30.000	0.172	-57.13	-13	Pass
NVNT	HSUPA	Band 2	1880.00	1	100	30.000~1000.000	885.378	-61.63	-13	Pass
NVNT	HSUPA	Band 2	1880.00	1	1000	1000.000~1845.000	1844.634	-40.98	-13	Pass
NVNT	HSUPA	Band 2	1880.00	1	1000	1915.000~20000.000	19918.618	-45.75	-13	Pass
NVNT	HSUPA	Band 2	1907.60	1	50.0	1910.0~1911.0	1910.223	-27.11	-13	Pass
NVNT	HSUPA	Band 2	1907.60	1	1000	1911.0~1915.0	1911.643	-18.82	-13	Pass
NVNT	HSUPA	Band 2	1907.60	1	1	0.009~0.150	0.010	-55.15	-13	Pass
NVNT	HSUPA	Band 2	1907.60	1	10	0.150~30.000	0.164	-55.84	-13	Pass
NVNT	HSUPA	Band 2	1907.60	1	100	30.000~1000.000	727.592	-60.06	-13	Pass
NVNT	HSUPA	Band 2	1907.60	1	1000	1000.000~1845.000	1836.944	-49.28	-13	Pass
NVNT	HSUPA	Band 2	1907.60	1	1000	1915.000~20000.000	1915.000	-37.64	-13	Pass



SA_65_NT_NV_0_HSUPA_Band_2_5M_CH9262_slot1



UPPER_EDGE_65_NT_NV_0_HSUPA_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	3.47	HSUPA	Band 2	1852.4	1	0.0009	-2.50	2.50	Pass
-30	3.47	HSUPA	Band 2	1880.0	1	0.0017	-2.50	2.50	Pass
-30	3.47	HSUPA	Band 2	1907.6	1	0.0079	-2.50	2.50	Pass
-30	3.85	HSUPA	Band 2	1852.4	1	0.0103	-2.50	2.50	Pass
-30	3.85	HSUPA	Band 2	1880.0	1	0.0138	-2.50	2.50	Pass
-30	3.85	HSUPA	Band 2	1907.6	1	0.0110	-2.50	2.50	Pass
-30	4.24	HSUPA	Band 2	1852.4	1	0.0044	-2.50	2.50	Pass
-30	4.24	HSUPA	Band 2	1880.0	1	0.0056	-2.50	2.50	Pass
-30	4.24	HSUPA	Band 2	1907.6	1	0.0083	-2.50	2.50	Pass
-20	3.47	HSUPA	Band 2	1852.4	1	-0.0012	-2.50	2.50	Pass
-20	3.47	HSUPA	Band 2	1880.0	1	-0.0079	-2.50	2.50	Pass
-20	3.47	HSUPA	Band 2	1907.6	1	0.0070	-2.50	2.50	Pass
-20	3.85	HSUPA	Band 2	1852.4	1	0.0039	-2.50	2.50	Pass
-20	3.85	HSUPA	Band 2	1880.0	1	0.0083	-2.50	2.50	Pass
-20	3.85	HSUPA	Band 2	1907.6	1	0.0054	-2.50	2.50	Pass
-20	4.24	HSUPA	Band 2	1852.4	1	-0.0028	-2.50	2.50	Pass
-20	4.24	HSUPA	Band 2	1880.0	1	0.0078	-2.50	2.50	Pass
-20	4.24	HSUPA	Band 2	1907.6	1	0.0036	-2.50	2.50	Pass
-10	3.47	HSUPA	Band 2	1852.4	1	0.0104	-2.50	2.50	Pass
-10	3.47	HSUPA	Band 2	1880.0	1	0.0039	-2.50	2.50	Pass
-10	3.47	HSUPA	Band 2	1907.6	1	0.0067	-2.50	2.50	Pass
-10	3.85	HSUPA	Band 2	1852.4	1	-0.0001	-2.50	2.50	Pass
-10	3.85	HSUPA	Band 2	1880.0	1	0.0046	-2.50	2.50	Pass
-10	3.85	HSUPA	Band 2	1907.6	1	-0.0059	-2.50	2.50	Pass
-10	4.24	HSUPA	Band 2	1852.4	1	0.0069	-2.50	2.50	Pass
-10	4.24	HSUPA	Band 2	1880.0	1	0.0053	-2.50	2.50	Pass
-10	4.24	HSUPA	Band 2	1907.6	1	-0.0014	-2.50	2.50	Pass
0	3.47	HSUPA	Band 2	1852.4	1	-0.0034	-2.50	2.50	Pass
0	3.47	HSUPA	Band 2	1880.0	1	0.0060	-2.50	2.50	Pass
0	3.47	HSUPA	Band 2	1907.6	1	0.0016	-2.50	2.50	Pass
0	3.85	HSUPA	Band 2	1852.4	1	-0.0016	-2.50	2.50	Pass
0	3.85	HSUPA	Band 2	1880.0	1	-0.0013	-2.50	2.50	Pass
0	3.85	HSUPA	Band 2	1907.6	1	0.0085	-2.50	2.50	Pass
0	4.24	HSUPA	Band 2	1852.4	1	0.0096	-2.50	2.50	Pass
0	4.24	HSUPA	Band 2	1880.0	1	0.0029	-2.50	2.50	Pass
0	4.24	HSUPA	Band 2	1907.6	1	0.0122	-2.50	2.50	Pass
10	3.47	HSUPA	Band 2	1852.4	1	0.0033	-2.50	2.50	Pass
10	3.47	HSUPA	Band 2	1880.0	1	0.0075	-2.50	2.50	Pass
10	3.47	HSUPA	Band 2	1907.6	1	0.0026	-2.50	2.50	Pass
10	3.85	HSUPA	Band 2	1852.4	1	0.0044	-2.50	2.50	Pass
10	3.85	HSUPA	Band 2	1880.0	1	0.0011	-2.50	2.50	Pass
10	3.85	HSUPA	Band 2	1907.6	1	0.0012	-2.50	2.50	Pass
10	4.24	HSUPA	Band 2	1852.4	1	0.0040	-2.50	2.50	Pass
10	4.24	HSUPA	Band 2	1880.0	1	-0.0007	-2.50	2.50	Pass
10	4.24	HSUPA	Band 2	1907.6	1	-0.0014	-2.50	2.50	Pass
20	3.47	HSUPA	Band 2	1852.4	1	0.0077	-2.50	2.50	Pass
20	3.47	HSUPA	Band 2	1880.0	1	0.0033	-2.50	2.50	Pass
20	3.47	HSUPA	Band 2	1907.6	1	0.0115	-2.50	2.50	Pass
20	3.85	HSUPA	Band 2	1852.4	1	0.0067	-2.50	2.50	Pass
20	3.85	HSUPA	Band 2	1880.0	1	0.0033	-2.50	2.50	Pass
20	3.85	HSUPA	Band 2	1907.6	1	0.0056	-2.50	2.50	Pass
20	4.24	HSUPA	Band 2	1852.4	1	0.0085	-2.50	2.50	Pass
20	4.24	HSUPA	Band 2	1880.0	1	-0.0020	-2.50	2.50	Pass
20	4.24	HSUPA	Band 2	1907.6	1	0.0036	-2.50	2.50	Pass
30	3.47	HSUPA	Band 2	1852.4	1	0.0057	-2.50	2.50	Pass
30	3.47	HSUPA	Band 2	1880.0	1	0.0120	-2.50	2.50	Pass
30	3.47	HSUPA	Band 2	1907.6	1	-0.0004	-2.50	2.50	Pass
30	3.85	HSUPA	Band 2	1852.4	1	0.0044	-2.50	2.50	Pass
30	3.85	HSUPA	Band 2	1880.0	1	0.0033	-2.50	2.50	Pass
30	3.85	HSUPA	Band 2	1907.6	1	0.0007	-2.50	2.50	Pass
30	4.24	HSUPA	Band 2	1852.4	1	0.0038	-2.50	2.50	Pass
30	4.24	HSUPA	Band 2	1880.0	1	0.0122	-2.50	2.50	Pass
30	4.24	HSUPA	Band 2	1907.6	1	0.0032	-2.50	2.50	Pass
40	3.47	HSUPA	Band 2	1852.4	1	0.0039	-2.50	2.50	Pass
40	3.47	HSUPA	Band 2	1880.0	1	0.0045	-2.50	2.50	Pass

40	3.47	HSUPA	Band 2	1907.6	1	0.0032	-2.50	2.50	Pass
40	3.85	HSUPA	Band 2	1852.4	1	0.0047	-2.50	2.50	Pass
40	3.85	HSUPA	Band 2	1880.0	1	0.0065	-2.50	2.50	Pass
40	3.85	HSUPA	Band 2	1907.6	1	0.0098	-2.50	2.50	Pass
40	4.24	HSUPA	Band 2	1852.4	1	0.0093	-2.50	2.50	Pass
40	4.24	HSUPA	Band 2	1880.0	1	0.0036	-2.50	2.50	Pass
40	4.24	HSUPA	Band 2	1907.6	1	0.0024	-2.50	2.50	Pass
50	3.47	HSUPA	Band 2	1852.4	1	-0.0057	-2.50	2.50	Pass
50	3.47	HSUPA	Band 2	1880.0	1	-0.0036	-2.50	2.50	Pass
50	3.47	HSUPA	Band 2	1907.6	1	0.0002	-2.50	2.50	Pass
50	3.85	HSUPA	Band 2	1852.4	1	-0.0026	-2.50	2.50	Pass
50	3.85	HSUPA	Band 2	1880.0	1	0.0012	-2.50	2.50	Pass
50	3.85	HSUPA	Band 2	1907.6	1	0.0053	-2.50	2.50	Pass
50	4.24	HSUPA	Band 2	1852.4	1	0.0023	-2.50	2.50	Pass
50	4.24	HSUPA	Band 2	1880.0	1	0.0017	-2.50	2.50	Pass
50	4.24	HSUPA	Band 2	1907.6	1	-0.0012	-2.50	2.50	Pass