



Appendix for test report

1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
BAND4	LTE/TM1	1.4	LCH	RB1#0	23.51	23.71	30	PASS
				RB1#3	23.57	23.77	30	PASS
				RB1#5	23.65	23.85	30	PASS
				RB3#0	23.59	23.79	30	PASS
				RB3#2	23.62	23.82	30	PASS
				RB3#3	23.67	23.87	30	PASS
				RB6#0	22.6	22.8	30	PASS
			MCH	RB1#0	23.46	23.66	30	PASS
				RB1#3	23.73	23.93	30	PASS
				RB1#5	23.46	23.66	30	PASS
				RB3#0	23.47	23.67	30	PASS
				RB3#2	23.43	23.63	30	PASS
				RB3#3	23.54	23.74	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	22.33	22.53	30	PASS
			HCH	RB1#0	23.26	23.46	30	PASS
				RB1#3	23.42	23.62	30	PASS
				RB1#5	23.39	23.59	30	PASS
				RB3#0	23.47	23.67	30	PASS
				RB3#2	23.4	23.6	30	PASS
				RB3#3	23.32	23.52	30	PASS
				RB6#0	22.38	22.58	30	PASS
		3	LCH	RB1#0	23.71	23.91	30	PASS
				RB1#7	23.7	23.9	30	PASS
				RB1#14	23.77	23.97	30	PASS
				RB8#0	22.46	22.66	30	PASS
				RB8#4	22.52	22.72	30	PASS
				RB8#7	22.56	22.76	30	PASS
				RB15#0	22.56	22.76	30	PASS
			MCH	RB1#0	23.42	23.62	30	PASS
				RB1#7	23.67	23.87	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	23.51	23.71	30	PASS
				RB8#0	22.47	22.67	30	PASS
				RB8#4	22.36	22.56	30	PASS
				RB8#7	22.5	22.7	30	PASS
				RB15#0	22.52	22.72	30	PASS
			HCH	RB1#0	23.5	23.7	30	PASS
				RB1#7	23.54	23.74	30	PASS
				RB1#14	23.41	23.61	30	PASS
				RB8#0	22.38	22.58	30	PASS
				RB8#4	22.33	22.53	30	PASS
				RB8#7	22.37	22.57	30	PASS
				RB15#0	22.39	22.59	30	PASS
		5	LCH	RB1#0	23.79	23.99	30	PASS
				RB1#13	23.76	23.96	30	PASS
				RB1#24	23.72	23.92	30	PASS
				RB12#0	22.61	22.81	30	PASS
				RB12#6	22.52	22.72	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#13	22.54	22.74	30	PASS
				RB25#0	22.5	22.7	30	PASS
			MCH	RB1#0	23.4	23.6	30	PASS
				RB1#13	23.49	23.69	30	PASS
				RB1#24	23.48	23.68	30	PASS
				RB12#0	22.42	22.62	30	PASS
				RB12#6	22.58	22.78	30	PASS
				RB12#13	22.54	22.74	30	PASS
				RB25#0	22.5	22.7	30	PASS
			HCH	RB1#0	23.3	23.5	30	PASS
				RB1#13	23.26	23.46	30	PASS
				RB1#24	23.15	23.35	30	PASS
				RB12#0	22.48	22.68	30	PASS
				RB12#6	22.44	22.64	30	PASS
				RB12#13	22.51	22.71	30	PASS
				RB25#0	22.47	22.67	30	PASS
		10	LCH	RB1#0	23.73	23.93	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	23.8	24	30	PASS
				RB1#49	23.76	23.96	30	PASS
				RB25#0	22.58	22.78	30	PASS
				RB25#13	22.62	22.82	30	PASS
				RB25#25	22.55	22.75	30	PASS
				RB50#0	22.58	22.78	30	PASS
			MCH	RB1#0	23.57	23.77	30	PASS
				RB1#25	23.64	23.84	30	PASS
				RB1#49	23.43	23.63	30	PASS
				RB25#0	22.49	22.69	30	PASS
				RB25#13	22.49	22.69	30	PASS
				RB25#25	22.55	22.75	30	PASS
				RB50#0	22.43	22.63	30	PASS
			HCH	RB1#0	23.55	23.75	30	PASS
				RB1#25	23.65	23.85	30	PASS
				RB1#49	23.57	23.77	30	PASS
				RB25#0	22.49	22.69	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	22.5	22.7	30	PASS
				RB25#25	22.43	22.63	30	PASS
				RB50#0	22.41	22.61	30	PASS
		15	LCH	RB1#0	23.71	23.91	30	PASS
				RB1#38	23.96	24.16	30	PASS
				RB1#74	23.78	23.98	30	PASS
				RB38#0	22.6	22.8	30	PASS
				RB38#19	22.62	22.82	30	PASS
				RB38#39	22.58	22.78	30	PASS
				RB75#0	22.57	22.77	30	PASS
			MCH	RB1#0	23.47	23.67	30	PASS
				RB1#38	23.59	23.79	30	PASS
				RB1#74	23.45	23.65	30	PASS
				RB38#0	22.45	22.65	30	PASS
				RB38#19	22.45	22.65	30	PASS
				RB38#39	22.55	22.75	30	PASS
				RB75#0	22.47	22.67	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	23.7	23.9	30	PASS
				RB1#38	23.71	23.91	30	PASS
				RB1#74	23.75	23.95	30	PASS
				RB38#0	22.6	22.8	30	PASS
				RB38#19	22.58	22.78	30	PASS
				RB38#39	22.61	22.81	30	PASS
				RB75#0	22.51	22.71	30	PASS
		20	LCH	RB1#0	23.38	23.58	30	PASS
				RB1#50	23.71	23.91	30	PASS
				RB1#99	23.48	23.68	30	PASS
				RB50#0	22.58	22.78	30	PASS
				RB50#25	22.63	22.83	30	PASS
				RB50#50	22.64	22.84	30	PASS
				RB100#0	22.56	22.76	30	PASS
			MCH	RB1#0	23.41	23.61	30	PASS
				RB1#50	23.71	23.91	30	PASS
				RB1#99	23.45	23.65	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	22.53	22.73	30	PASS
				RB50#25	22.51	22.71	30	PASS
				RB50#50	22.5	22.7	30	PASS
				RB100#0	22.54	22.74	30	PASS
			HCH	RB1#0	23.85	24.05	30	PASS
				RB1#50	23.7	23.9	30	PASS
				RB1#99	23.7	23.9	30	PASS
				RB50#0	22.71	22.91	30	PASS
	LTE/TM2	1.4	LCH	RB50#25	22.49	22.69	30	PASS
				RB50#50	22.54	22.74	30	PASS
				RB100#0	22.57	22.77	30	PASS
				RB1#0	22.13	22.33	30	PASS
				RB1#3	22.29	22.49	30	PASS
				RB1#5	22.02	22.22	30	PASS
				RB3#0	22.4	22.6	30	PASS
				RB3#2	22.49	22.69	30	PASS
				RB3#3	22.37	22.57	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.53	21.73	30	PASS
			MCH	RB1#0	22.31	22.51	30	PASS
				RB1#3	22.84	23.04	30	PASS
				RB1#5	22.87	23.07	30	PASS
				RB3#0	22.52	22.72	30	PASS
				RB3#2	22.48	22.68	30	PASS
				RB3#3	22.68	22.88	30	PASS
				RB6#0	21.6	21.8	30	PASS
			HCH	RB1#0	21.91	22.11	30	PASS
				RB1#3	22.03	22.23	30	PASS
				RB1#5	21.85	22.05	30	PASS
				RB3#0	22.59	22.79	30	PASS
				RB3#2	22.61	22.81	30	PASS
				RB3#3	22.54	22.74	30	PASS
				RB6#0	21.41	21.61	30	PASS
		3	LCH	RB1#0	22.39	22.59	30	PASS
				RB1#7	22.69	22.89	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	22.42	22.62	30	PASS
				RB8#0	21.53	21.73	30	PASS
				RB8#4	21.41	21.61	30	PASS
				RB8#7	21.47	21.67	30	PASS
				RB15#0	21.48	21.68	30	PASS
			MCH	RB1#0	22.35	22.55	30	PASS
				RB1#7	22.87	23.07	30	PASS
				RB1#14	22.8	23	30	PASS
				RB8#0	21.65	21.85	30	PASS
				RB8#4	21.49	21.69	30	PASS
				RB8#7	21.73	21.93	30	PASS
				RB15#0	21.41	21.61	30	PASS
			HCH	RB1#0	21.7	21.9	30	PASS
				RB1#7	22.11	22.31	30	PASS
				RB1#14	21.8	22	30	PASS
				RB8#0	21.48	21.68	30	PASS
				RB8#4	21.38	21.58	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#7	21.18	21.38	30	PASS
				RB15#0	21.25	21.45	30	PASS
		5	LCH	RB1#0	21.95	22.15	30	PASS
				RB1#13	22.02	22.22	30	PASS
				RB1#24	22.03	22.23	30	PASS
				RB12#0	21.42	21.62	30	PASS
				RB12#6	21.7	21.9	30	PASS
				RB12#13	21.61	21.81	30	PASS
				RB25#0	21.61	21.81	30	PASS
			MCH	RB1#0	21.88	22.08	30	PASS
				RB1#13	22.11	22.31	30	PASS
				RB1#24	21.97	22.17	30	PASS
				RB12#0	21.62	21.82	30	PASS
				RB12#6	21.6	21.8	30	PASS
				RB12#13	21.67	21.87	30	PASS
				RB25#0	21.76	21.96	30	PASS
			HCH	RB1#0	22.64	22.84	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	22.68	22.88	30	PASS
				RB1#24	22.18	22.38	30	PASS
				RB12#0	21.56	21.76	30	PASS
				RB12#6	21.51	21.71	30	PASS
				RB12#13	21.68	21.88	30	PASS
				RB25#0	21.51	21.71	30	PASS
		10	LCH	RB1#0	22.6	22.8	30	PASS
				RB1#25	22.67	22.87	30	PASS
				RB1#49	22.55	22.75	30	PASS
				RB25#0	21.62	21.82	30	PASS
				RB25#13	21.7	21.9	30	PASS
				RB25#25	21.63	21.83	30	PASS
				RB50#0	21.65	21.85	30	PASS
			MCH	RB1#0	21.66	21.86	30	PASS
				RB1#25	22.85	23.05	30	PASS
				RB1#49	22	22.2	30	PASS
				RB25#0	21.56	21.76	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.56	21.76	30	PASS
				RB25#25	21.72	21.92	30	PASS
				RB50#0	21.62	21.82	30	PASS
			HCH	RB1#0	22.32	22.52	30	PASS
				RB1#25	22.18	22.38	30	PASS
				RB1#49	21.92	22.12	30	PASS
				RB25#0	21.6	21.8	30	PASS
				RB25#13	21.77	21.97	30	PASS
				RB25#25	21.57	21.77	30	PASS
				RB50#0	21.47	21.67	30	PASS
		15	LCH	RB1#0	22.68	22.88	30	PASS
				RB1#38	22.62	22.82	30	PASS
				RB1#74	22.69	22.89	30	PASS
				RB38#0	21.68	21.88	30	PASS
				RB38#19	21.77	21.97	30	PASS
				RB38#39	21.67	21.87	30	PASS
				RB75#0	21.55	21.75	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.26	22.46	30	PASS
				RB1#38	22.87	23.07	30	PASS
				RB1#74	22.77	22.97	30	PASS
				RB38#0	21.57	21.77	30	PASS
				RB38#19	21.57	21.77	30	PASS
				RB38#39	21.57	21.77	30	PASS
				RB75#0	21.63	21.83	30	PASS
			HCH	RB1#0	22.36	22.56	30	PASS
				RB1#38	22.57	22.77	30	PASS
				RB1#74	22.07	22.27	30	PASS
				RB38#0	21.51	21.71	30	PASS
				RB38#19	21.51	21.71	30	PASS
				RB38#39	21.5	21.7	30	PASS
				RB75#0	21.59	21.79	30	PASS
		20	LCH	RB1#0	22.94	23.14	30	PASS
				RB1#50	23.14	23.34	30	PASS
				RB1#99	22.61	22.81	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.72	21.92	30	PASS
				RB50#25	21.74	21.94	30	PASS
				RB50#50	21.77	21.97	30	PASS
				RB100#0	21.66	21.86	30	PASS
			MCH	RB1#0	22.11	22.31	30	PASS
				RB1#50	22.93	23.13	30	PASS
				RB1#99	22.19	22.39	30	PASS
				RB50#0	21.54	21.74	30	PASS
				RB50#25	21.6	21.8	30	PASS
				RB50#50	21.61	21.81	30	PASS
				RB100#0	21.73	21.93	30	PASS
			HCH	RB1#0	23.01	23.21	30	PASS
				RB1#50	23.01	23.21	30	PASS
				RB1#99	22.53	22.73	30	PASS
				RB50#0	21.67	21.87	30	PASS
				RB50#25	21.47	21.67	30	PASS
				RB50#50	21.46	21.66	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	21.66	21.86	30	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP=Signal Generator Level

Note2:

$$\text{SET Span} = 1.5 \times \text{OBW}$$

$$\text{SET RBW} = 1\% \text{ of the OBW, not to exceed 1MHz}$$

$$\text{SET VBW} \geq 3 \times \text{RBW}$$

SET Sweep time=auto-couple.

Detector:RMS



2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND4	LTE/TM1	1.4	LCH	RB1#0	3.78	13	PASS
				RB1#3	3.65	13	PASS
				RB1#5	3.68	13	PASS
				RB3#0	4.04	13	PASS
				RB3#2	3.83	13	PASS
				RB3#3	3.94	13	PASS
				RB6#0	5.12	13	PASS
			MCH	RB1#0	3.54	13	PASS
				RB1#3	3.34	13	PASS
				RB1#5	3.48	13	PASS
				RB3#0	3.74	13	PASS
				RB3#2	3.58	13	PASS
				RB3#3	3.79	13	PASS
				RB6#0	4.87	13	PASS
			HCH	RB1#0	3.15	13	PASS
				RB1#3	2.81	13	PASS
				RB1#5	3.05	13	PASS
				RB3#0	3.46	13	PASS
				RB3#2	3.14	13	PASS
				RB3#3	3.48	13	PASS
				RB6#0	4.55	13	PASS
		3	LCH	RB1#0	3.89	13	PASS
				RB1#7	3.6	13	PASS
				RB1#14	3.65	13	PASS
				RB8#0	4.59	13	PASS
				RB8#4	4.52	13	PASS
				RB8#7	4.59	13	PASS
				RB15#0	5.13	13	PASS
			MCH	RB1#0	3.61	13	PASS
				RB1#7	3.36	13	PASS
				RB1#14	3.53	13	PASS
				RB8#0	4.28	13	PASS
				RB8#4	4.26	13	PASS
				RB8#7	4.37	13	PASS
				RB15#0	4.86	13	PASS
			HCH	RB1#0	3.26	13	PASS
				RB1#7	2.99	13	PASS
				RB1#14	3.08	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		5		RB8#0	4.04	13	PASS
				RB8#4	3.93	13	PASS
				RB8#7	3.95	13	PASS
				RB15#0	4.58	13	PASS
			LCH	RB1#0	3.79	13	PASS
				RB1#13	3.55	13	PASS
				RB1#24	3.69	13	PASS
				RB12#0	4.5	13	PASS
				RB12#6	4.42	13	PASS
				RB12#13	4.5	13	PASS
				RB25#0	4.94	13	PASS
			MCH	RB1#0	3.48	13	PASS
				RB1#13	3.51	13	PASS
				RB1#24	3.59	13	PASS
				RB12#0	4.18	13	PASS
				RB12#6	4.09	13	PASS
				RB12#13	4.29	13	PASS
				RB25#0	4.98	13	PASS
			HCH	RB1#0	3.55	13	PASS
				RB1#13	3.22	13	PASS
				RB1#24	3.25	13	PASS
				RB12#0	4.15	13	PASS
				RB12#6	3.87	13	PASS
				RB12#13	3.93	13	PASS
				RB25#0	4.67	13	PASS
		10	LCH	RB1#0	3.86	13	PASS
				RB1#25	3.39	13	PASS
				RB1#49	3.55	13	PASS
				RB25#0	4.46	13	PASS
				RB25#13	4.31	13	PASS
				RB25#25	4.35	13	PASS
				RB50#0	4.96	13	PASS
			MCH	RB1#0	3.39	13	PASS
				RB1#25	3.45	13	PASS
				RB1#49	3.71	13	PASS
				RB25#0	4.22	13	PASS
				RB25#13	4.19	13	PASS
				RB25#25	4.38	13	PASS
				RB50#0	5	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	3.64	13	PASS
				RB1#25	3.24	13	PASS
				RB1#49	2.88	13	PASS
				RB25#0	4.44	13	PASS
				RB25#13	4.09	13	PASS
				RB25#25	4.06	13	PASS
				RB50#0	4.51	13	PASS
		15	LCH	RB1#0	3.48	13	PASS
				RB1#38	3.47	13	PASS
				RB1#74	3.33	13	PASS
				RB38#0	4.47	13	PASS
				RB38#19	4.28	13	PASS
				RB38#39	4.29	13	PASS
				RB75#0	5.19	13	PASS
			MCH	RB1#0	3.4	13	PASS
				RB1#38	3.39	13	PASS
				RB1#74	3.73	13	PASS
				RB38#0	4.25	13	PASS
				RB38#19	4.15	13	PASS
				RB38#39	4.37	13	PASS
				RB75#0	4.94	13	PASS
			HCH	RB1#0	3.48	13	PASS
				RB1#38	3.48	13	PASS
				RB1#74	2.86	13	PASS
				RB38#0	4.52	13	PASS
				RB38#19	4.23	13	PASS
				RB38#39	4.12	13	PASS
				RB75#0	4.93	13	PASS
		20	LCH	RB1#0	4.09	13	PASS
				RB1#50	3.44	13	PASS
				RB1#99	3.52	13	PASS
				RB50#0	4.48	13	PASS
				RB50#25	4.23	13	PASS
				RB50#50	4.25	13	PASS
				RB100#0	4.96	13	PASS
			MCH	RB1#0	3.61	13	PASS
				RB1#50	3.39	13	PASS
				RB1#99	3.78	13	PASS
				RB50#0	4.26	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	4.23	13	PASS
				RB50#50	4.43	13	PASS
				RB100#0	4.83	13	PASS
			HCH	RB1#0	3.52	13	PASS
				RB1#50	3.52	13	PASS
				RB1#99	2.82	13	PASS
				RB50#0	4.51	13	PASS
				RB50#25	4.34	13	PASS
				RB50#50	4.25	13	PASS
				RB100#0	5.13	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	4.66	13	PASS
				RB1#3	4.52	13	PASS
				RB1#5	4.78	13	PASS
				RB3#0	5.02	13	PASS
				RB3#2	4.82	13	PASS
				RB3#3	4.97	13	PASS
				RB6#0	5.67	13	PASS
			MCH	RB1#0	4.42	13	PASS
				RB1#3	4.38	13	PASS
				RB1#5	4.47	13	PASS
				RB3#0	4.37	13	PASS
				RB3#2	4.3	13	PASS
				RB3#3	4.54	13	PASS
				RB6#0	5.41	13	PASS
			HCH	RB1#0	3.99	13	PASS
				RB1#3	3.91	13	PASS
				RB1#5	3.99	13	PASS
				RB3#0	4.32	13	PASS
				RB3#2	4.2	13	PASS
				RB3#3	4.37	13	PASS
				RB6#0	5.37	13	PASS
		3	LCH	RB1#0	4.49	13	PASS
				RB1#7	4.43	13	PASS
				RB1#14	4.69	13	PASS
				RB8#0	5.44	13	PASS
				RB8#4	5.42	13	PASS
				RB8#7	5.57	13	PASS
				RB15#0	6.01	13	PASS
			MCH	RB1#0	4.5	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#7	4.44	13	PASS
				RB1#14	4.54	13	PASS
				RB8#0	5.19	13	PASS
				RB8#4	5.14	13	PASS
				RB8#7	5.28	13	PASS
				RB15#0	5.81	13	PASS
			HCH	RB1#0	4.22	13	PASS
				RB1#7	3.97	13	PASS
				RB1#14	4.19	13	PASS
				RB8#0	5.04	13	PASS
				RB8#4	4.94	13	PASS
				RB8#7	4.87	13	PASS
				RB15#0	5.4	13	PASS
		5	LCH	RB1#0	4.94	13	PASS
				RB1#13	4.83	13	PASS
				RB1#24	4.91	13	PASS
				RB12#0	5.46	13	PASS
				RB12#6	5.33	13	PASS
				RB12#13	5.37	13	PASS
				RB25#0	5.91	13	PASS
			MCH	RB1#0	4.57	13	PASS
				RB1#13	4.47	13	PASS
				RB1#24	4.63	13	PASS
				RB12#0	5.01	13	PASS
				RB12#6	4.92	13	PASS
				RB12#13	5.12	13	PASS
				RB25#0	5.66	13	PASS
			HCH	RB1#0	4.06	13	PASS
				RB1#13	3.72	13	PASS
				RB1#24	3.83	13	PASS
				RB12#0	4.98	13	PASS
				RB12#6	4.79	13	PASS
				RB12#13	4.74	13	PASS
				RB25#0	5.51	13	PASS
		10	LCH	RB1#0	4.85	13	PASS
				RB1#25	4.35	13	PASS
				RB1#49	4.57	13	PASS
				RB25#0	5.47	13	PASS
				RB25#13	5.4	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#25	5.39	13	PASS
				RB50#0	5.74	13	PASS
			MCH	RB1#0	4.54	13	PASS
				RB1#25	4.53	13	PASS
				RB1#49	4.86	13	PASS
				RB25#0	5.06	13	PASS
				RB25#13	5.04	13	PASS
				RB25#25	5.19	13	PASS
				RB50#0	5.58	13	PASS
			HCH	RB1#0	4.55	13	PASS
				RB1#25	4.28	13	PASS
				RB1#49	3.81	13	PASS
				RB25#0	5.19	13	PASS
				RB25#13	5	13	PASS
				RB25#25	4.97	13	PASS
				RB50#0	5.58	13	PASS
		15	LCH	RB1#0	4.58	13	PASS
				RB1#38	4.27	13	PASS
				RB1#74	4.35	13	PASS
				RB38#0	5.47	13	PASS
				RB38#19	5.25	13	PASS
				RB38#39	5.25	13	PASS
				RB75#0	5.92	13	PASS
			MCH	RB1#0	3.99	13	PASS
				RB1#38	4.05	13	PASS
				RB1#74	4.49	13	PASS
				RB38#0	5.24	13	PASS
				RB38#19	5.18	13	PASS
				RB38#39	5.4	13	PASS
				RB75#0	5.77	13	PASS
			HCH	RB1#0	4.49	13	PASS
				RB1#38	4.39	13	PASS
				RB1#74	3.86	13	PASS
				RB38#0	5.31	13	PASS
				RB38#19	5.22	13	PASS
				RB38#39	5.07	13	PASS
				RB75#0	5.77	13	PASS
		20	LCH	RB1#0	4.7	13	PASS
				RB1#50	4.04	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#99	4.14	13	PASS
				RB50#0	5.51	13	PASS
				RB50#25	5.09	13	PASS
				RB50#50	5.09	13	PASS
				RB100#0	5.76	13	PASS
			MCH	RB1#0	4.49	13	PASS
				RB1#50	4.05	13	PASS
				RB1#99	4.59	13	PASS
				RB50#0	5.3	13	PASS
				RB50#25	5.22	13	PASS
				RB50#50	5.43	13	PASS
				RB100#0	5.8	13	PASS
			HCH	RB1#0	4.57	13	PASS
				RB1#50	4.23	13	PASS
				RB1#99	4.16	13	PASS
				RB50#0	5.42	13	PASS
				RB50#25	5.26	13	PASS
				RB50#50	5.27	13	PASS
				RB100#0	5.76	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

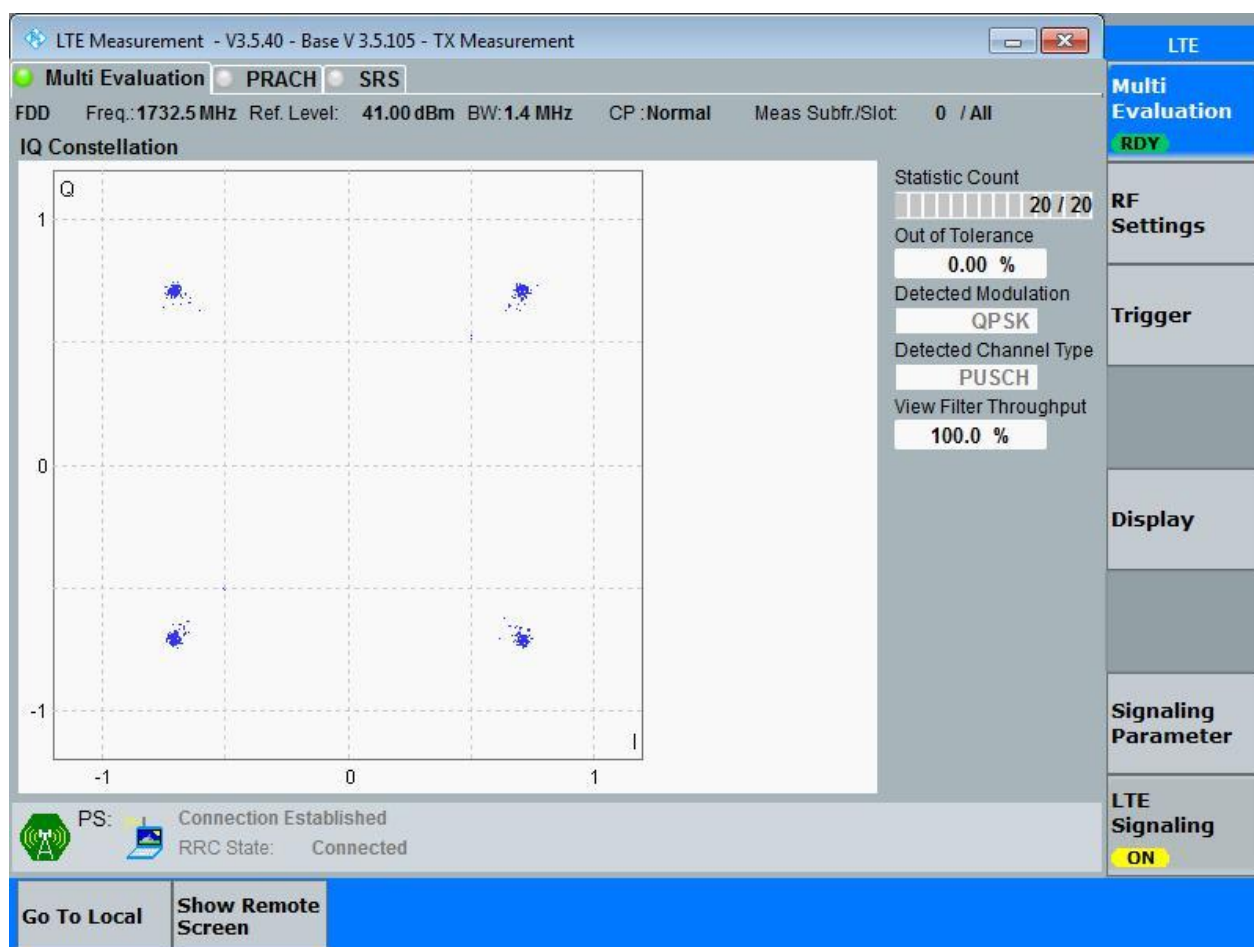
3.1.1 Test Band = BAND4

3.3.1.1 Test Mode = LTE/TM1

3.3.1.1.1 Test Bandwidth = 1.4

3.3.1.1.1.1 Test Channel = MCH

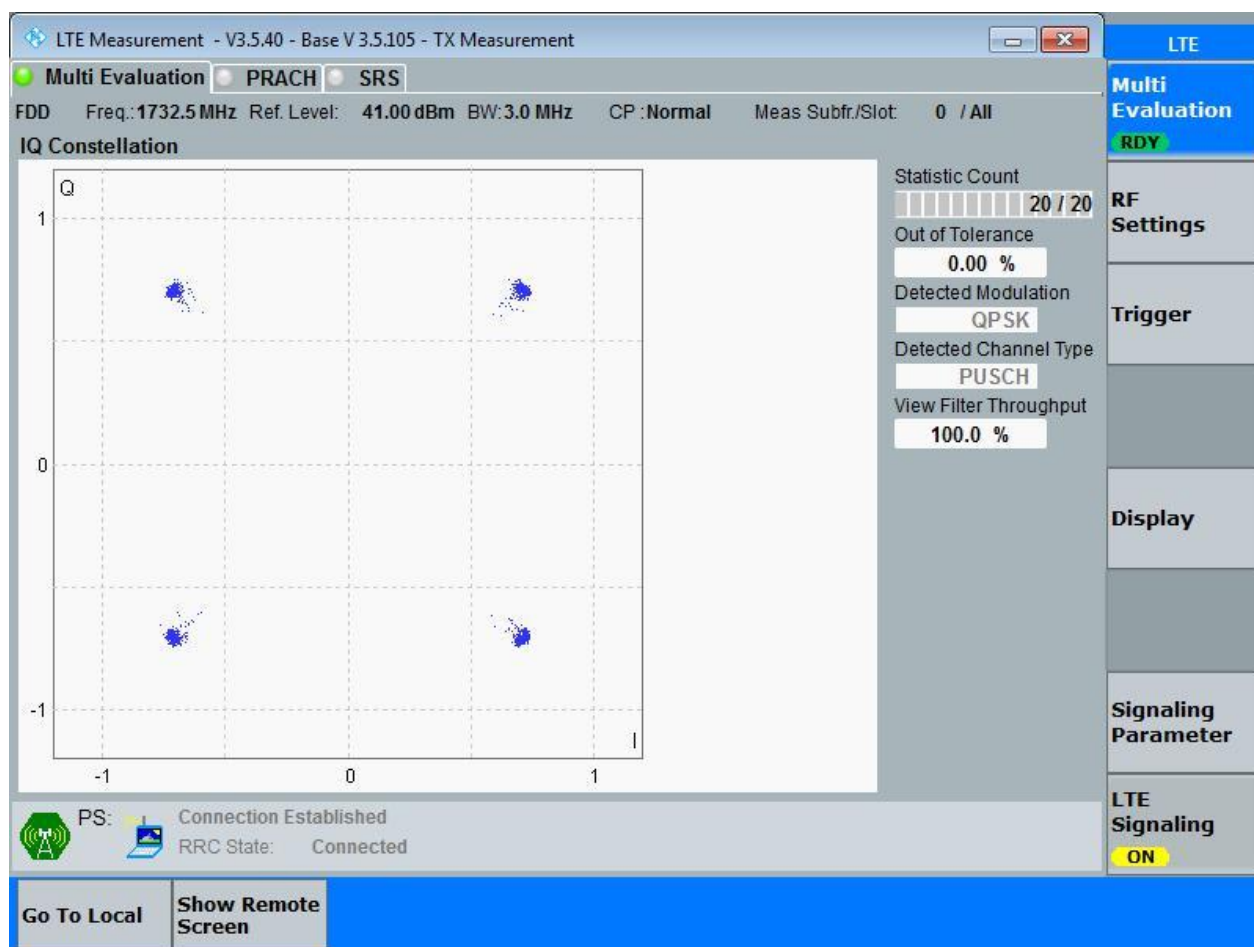
3.3.1.1.1.1.1 Test RB = RB6#0



3.3.1.1.2 Test Bandwidth = 3

3.3.1.1.2.1 Test Channel = MCH

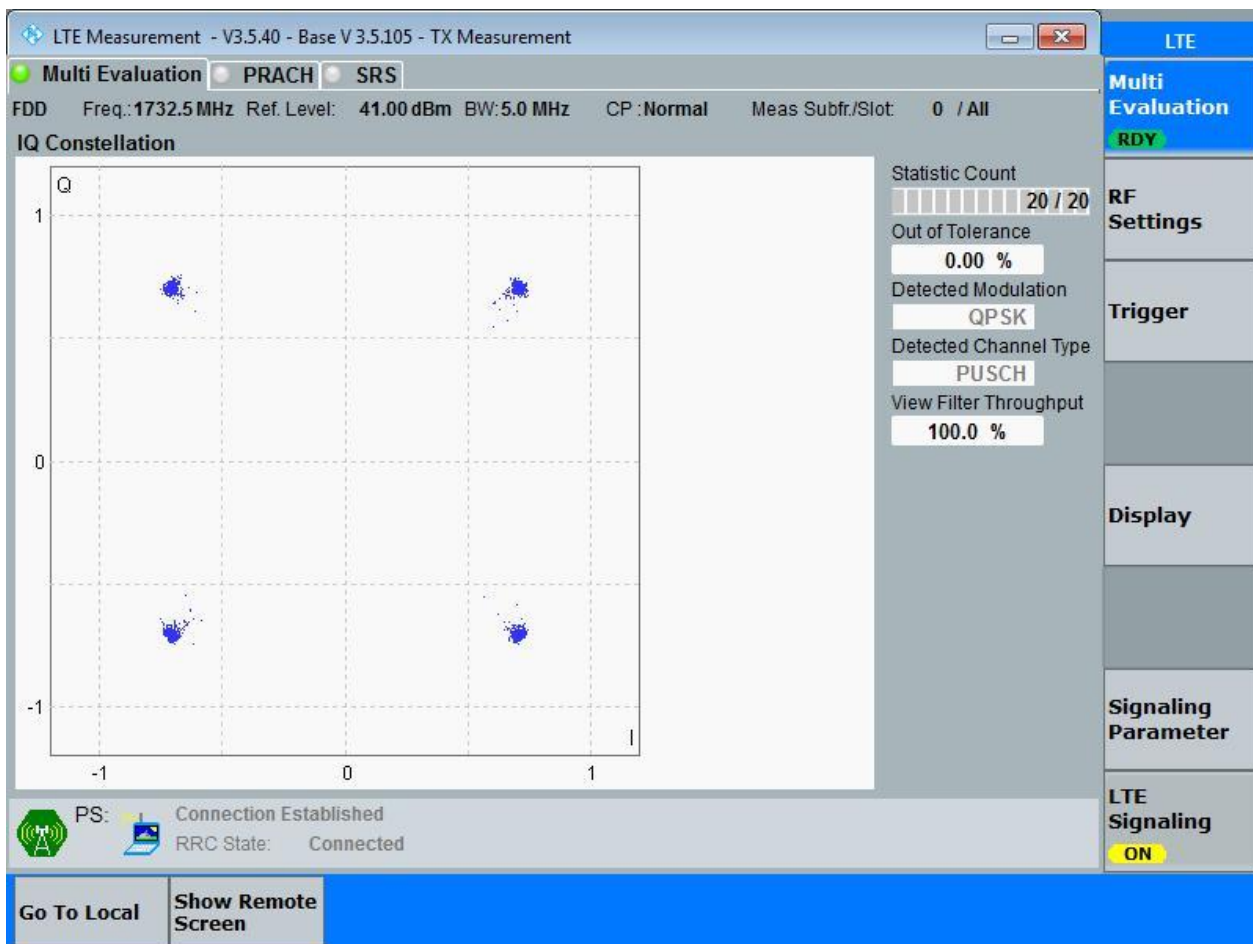
3.3.1.1.2.1.1 Test RB = RB15#0



3.3.1.1.3 Test Bandwidth = 5

3.3.1.1.3.1 Test Channel = MCH

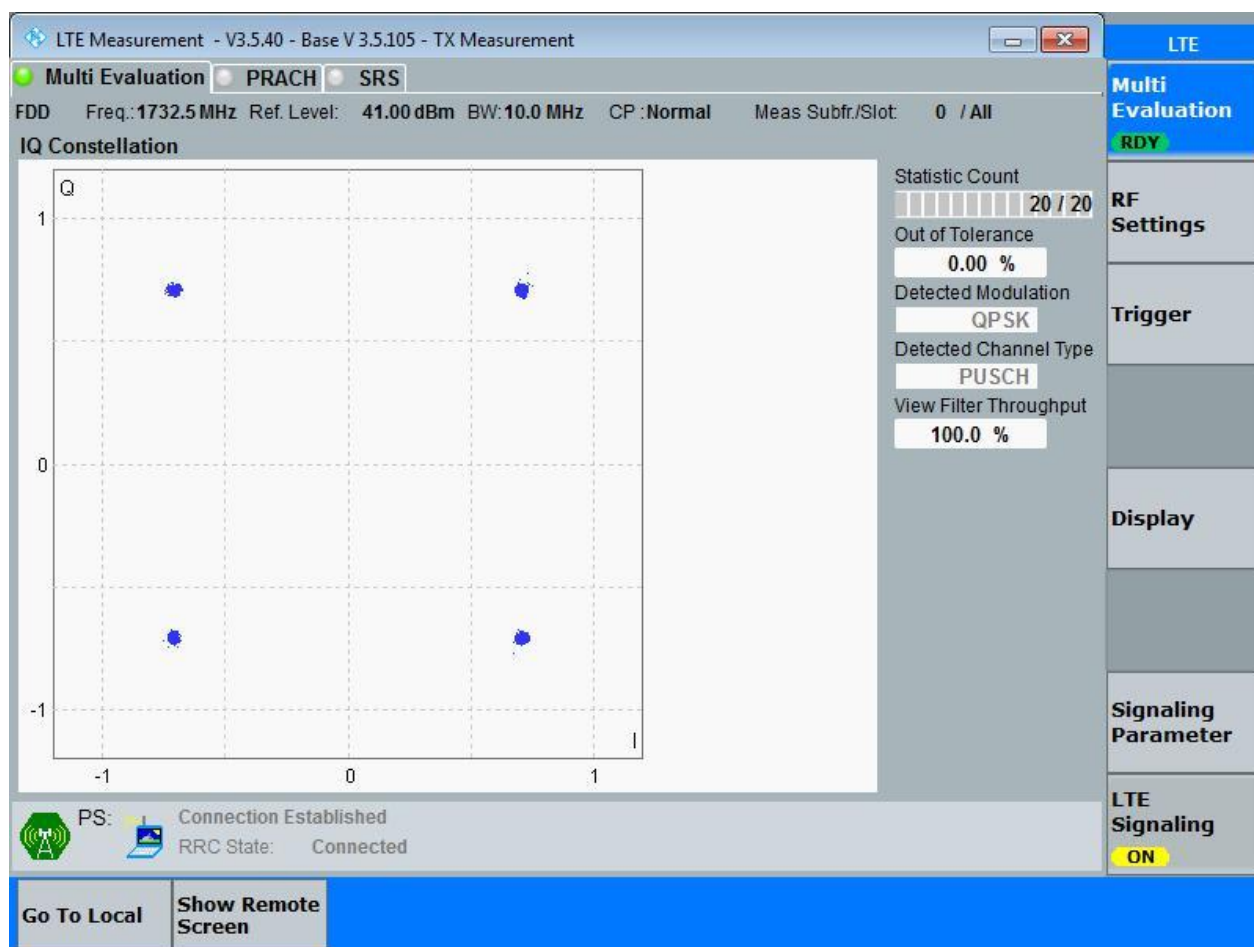
3.3.1.1.3.1.1 Test RB = RB25#0



3.3.1.1.4 Test Bandwidth = 10

3.3.1.1.4.1 Test Channel = MCH

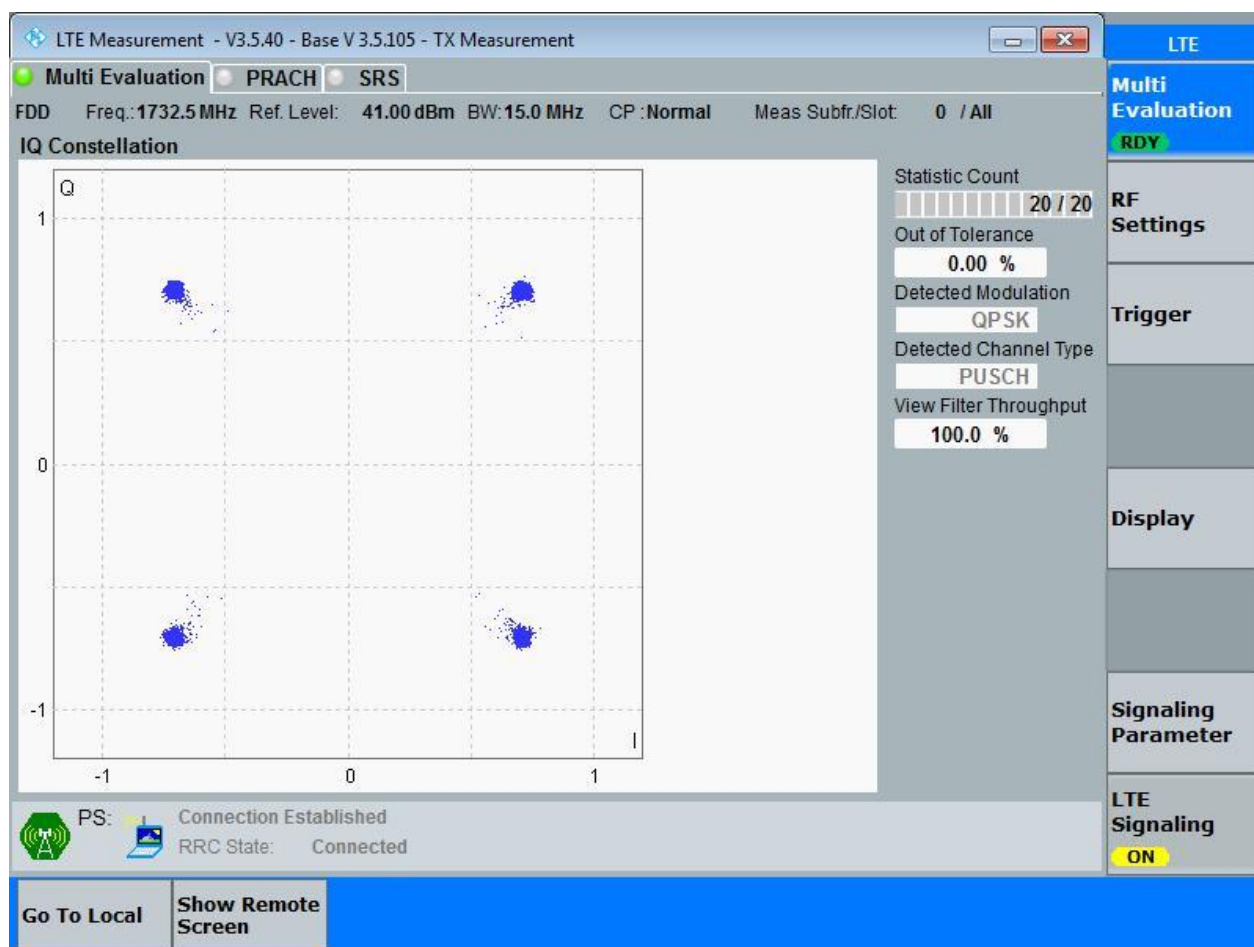
3.3.1.1.4.1.1 Test RB = RB50#0



3.3.1.1.5 Test Bandwidth = 15

3.3.1.1.5.1 Test Channel = MCH

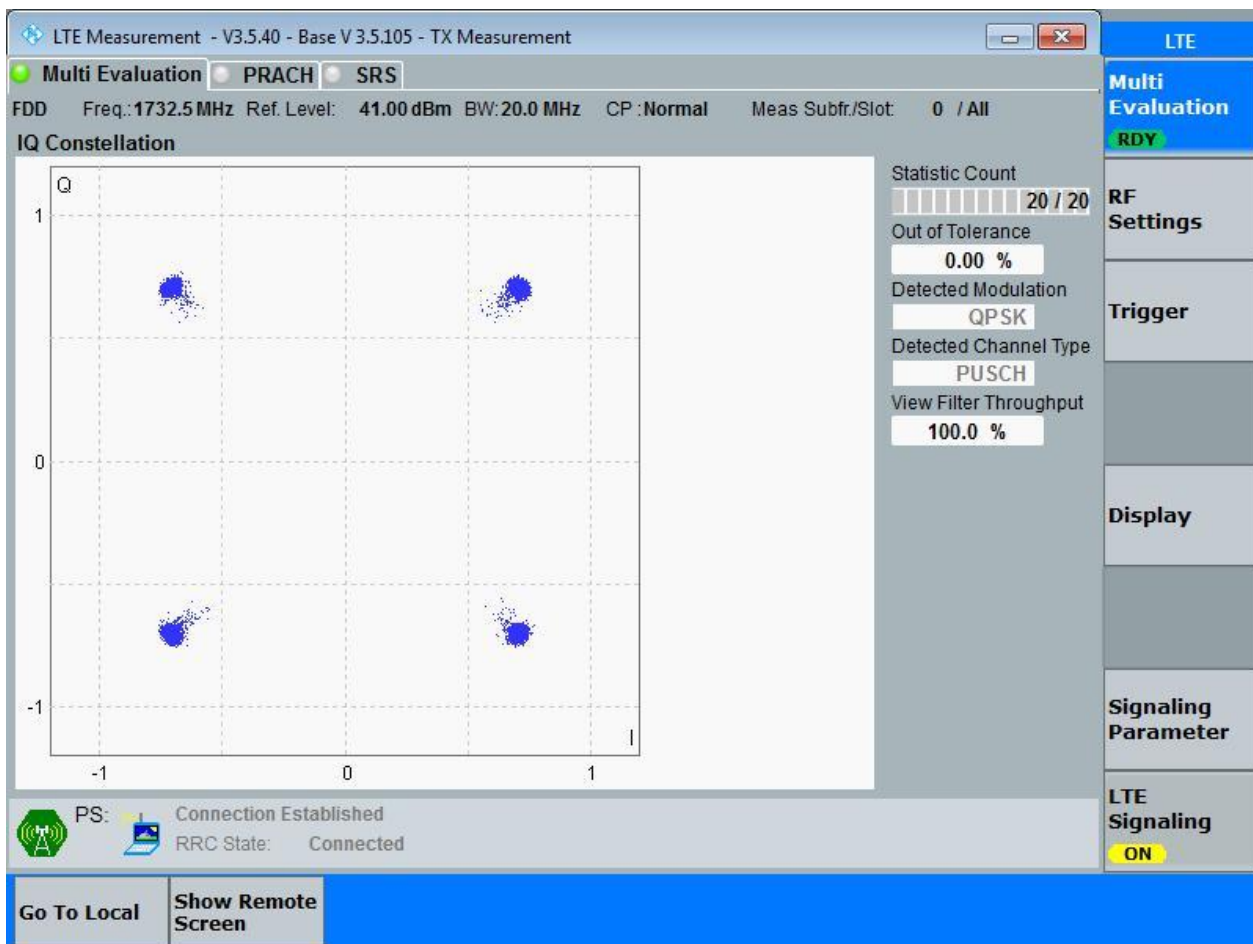
3.3.1.1.5.1.1 Test RB = RB75#0



3.3.1.1.6 Test Bandwidth = 20

3.3.1.1.6.1 Test Channel = MCH

3.3.1.1.6.1.1 Test RB = RB100#0

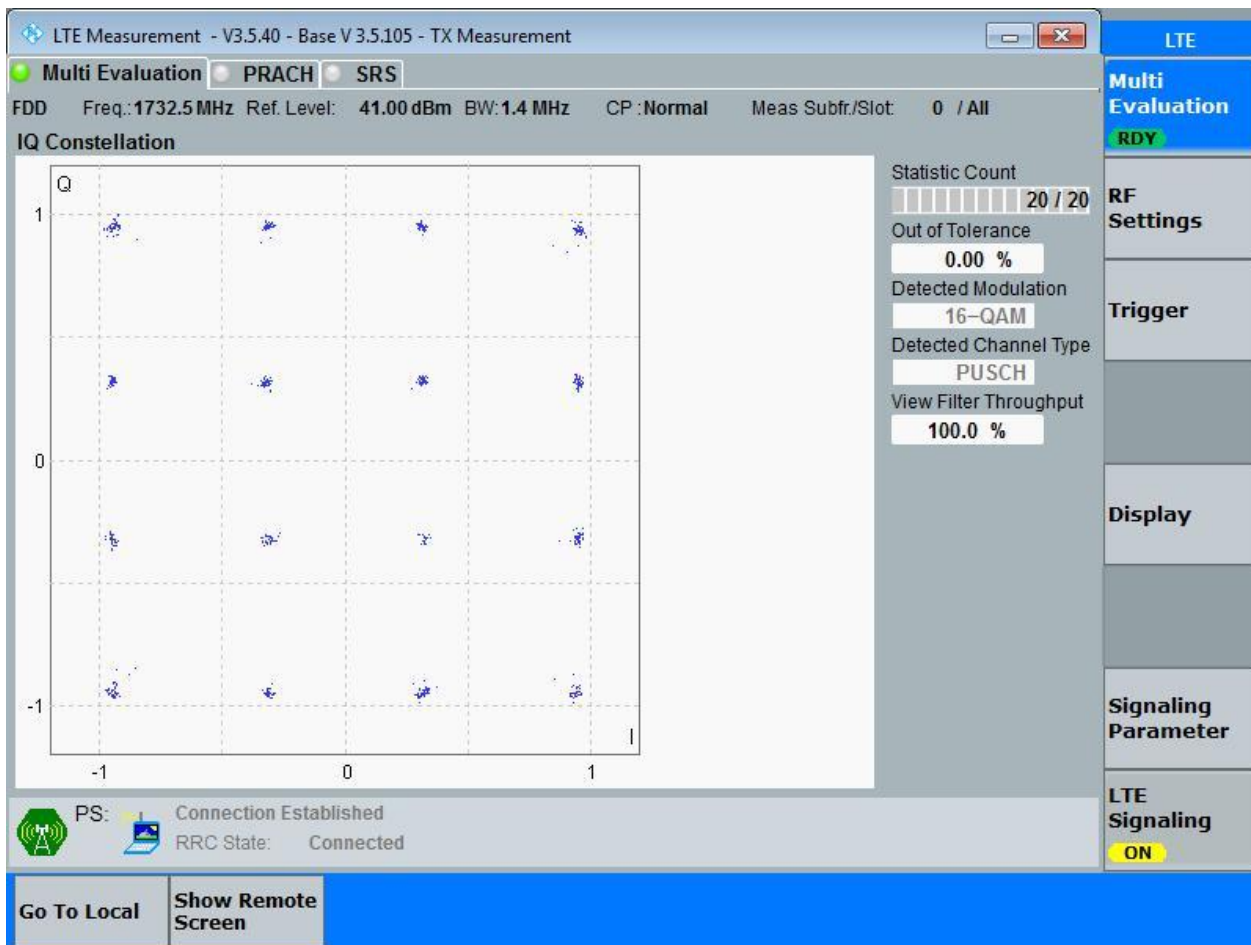


3.3.1.2 Test Mode = LTE/TM2

3.3.1.2.1 Test Bandwidth = 1.4

3.3.1.2.1.1 Test Channel = MCH

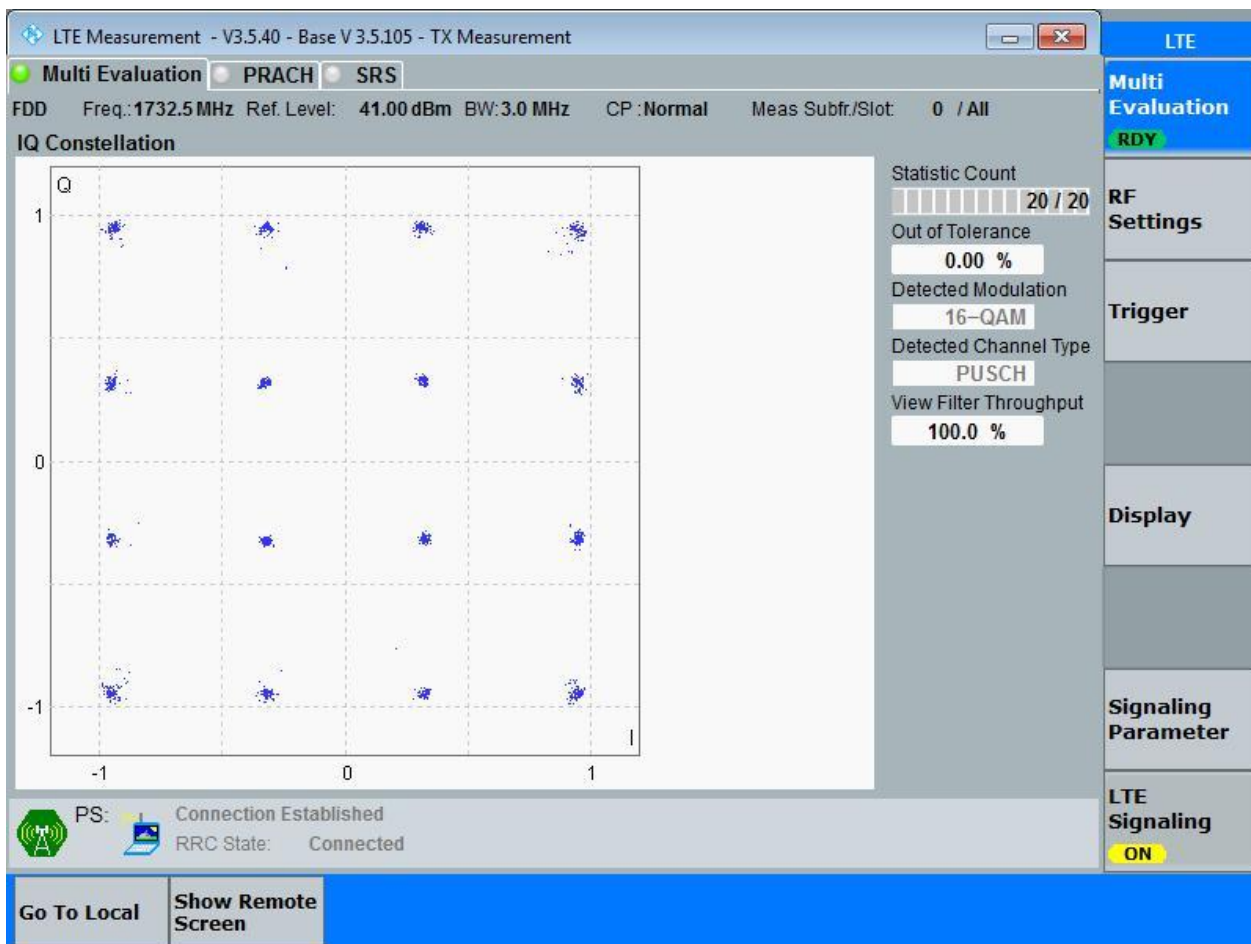
3.3.1.2.1.1.1 Test RB = RB6#0



3.3.1.2.2 Test Bandwidth = 3

3.3.1.2.2.1 Test Channel = MCH

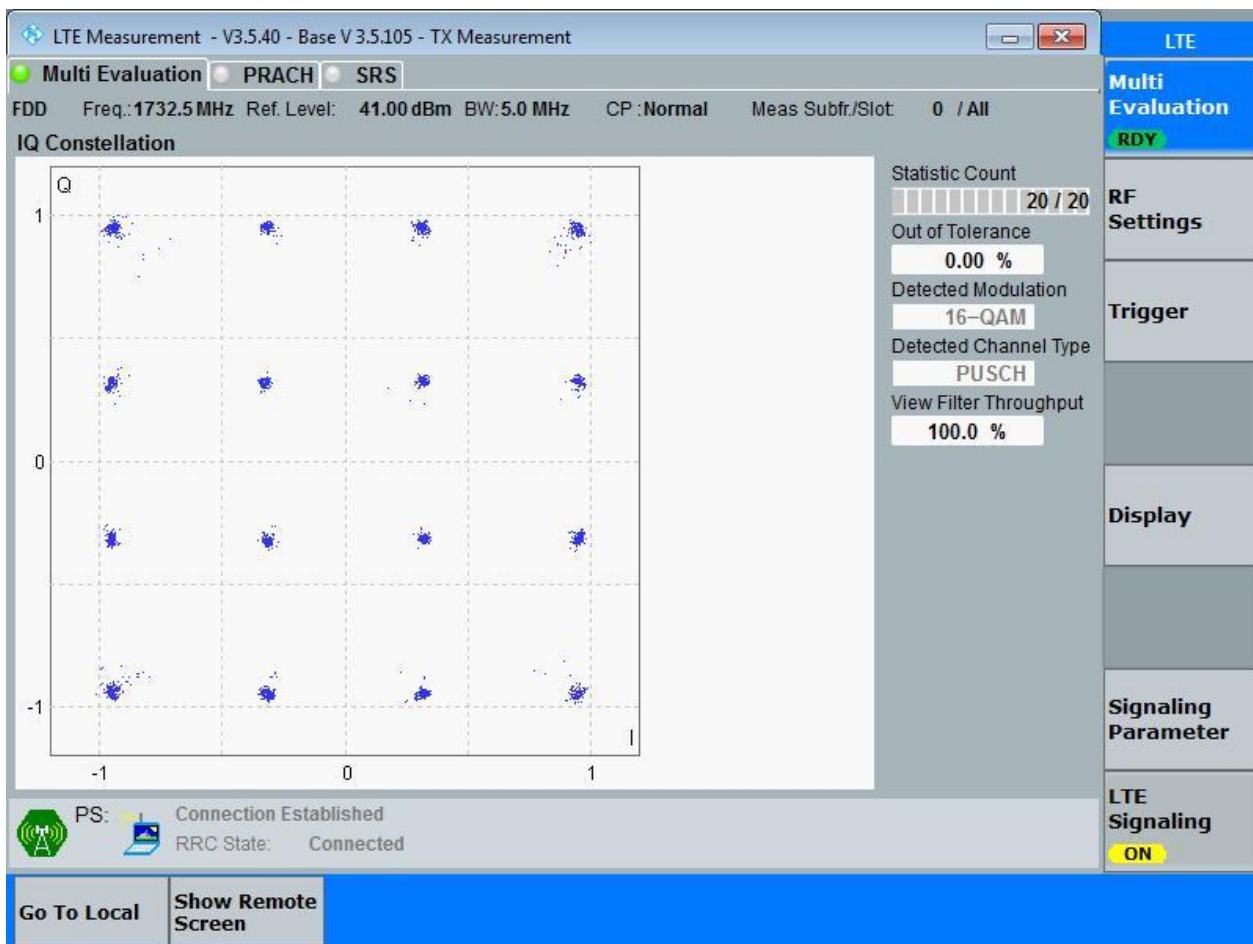
3.3.1.2.2.1.1 Test RB = RB15#0



3.3.1.2.3 Test Bandwidth = 5

3.3.1.2.3.1 Test Channel = MCH

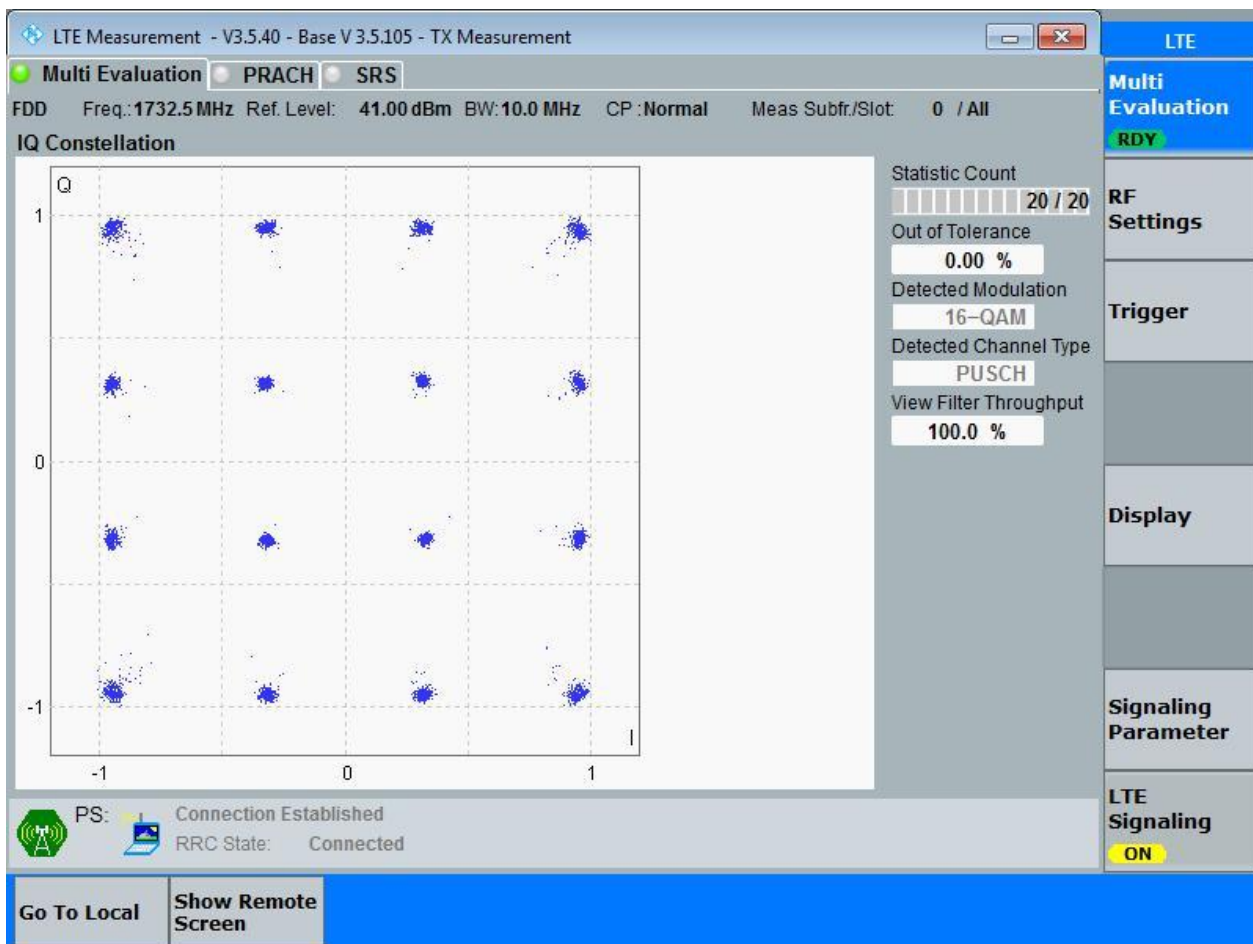
3.3.1.2.3.1.1 Test RB = RB25#0



3.3.1.2.4 Test Bandwidth = 10

3.3.1.2.4.1 Test Channel = MCH

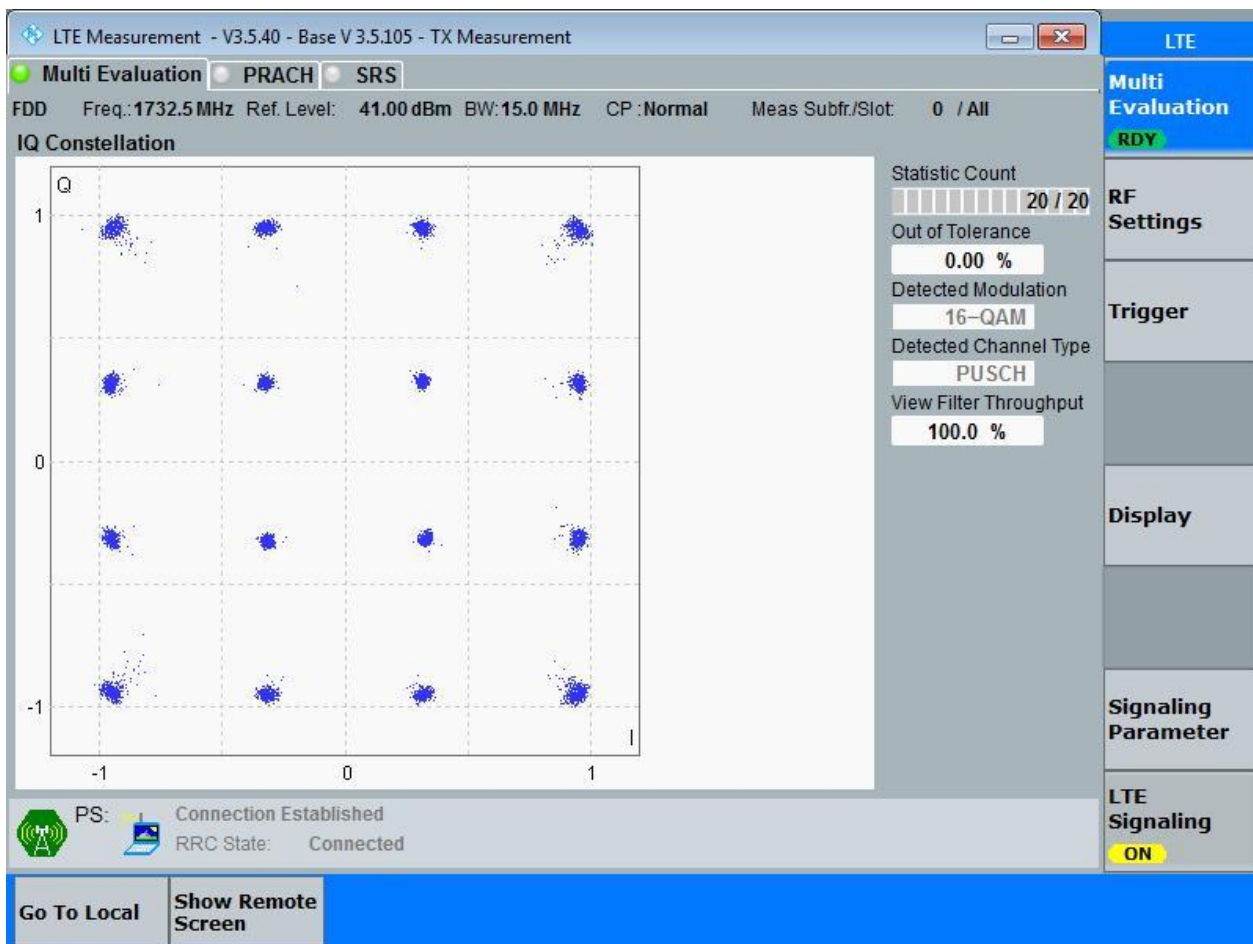
3.3.1.2.4.1.1 Test RB = RB50#0



3.3.1.2.5 Test Bandwidth = 15

3.3.1.2.5.1 Test Channel = MCH

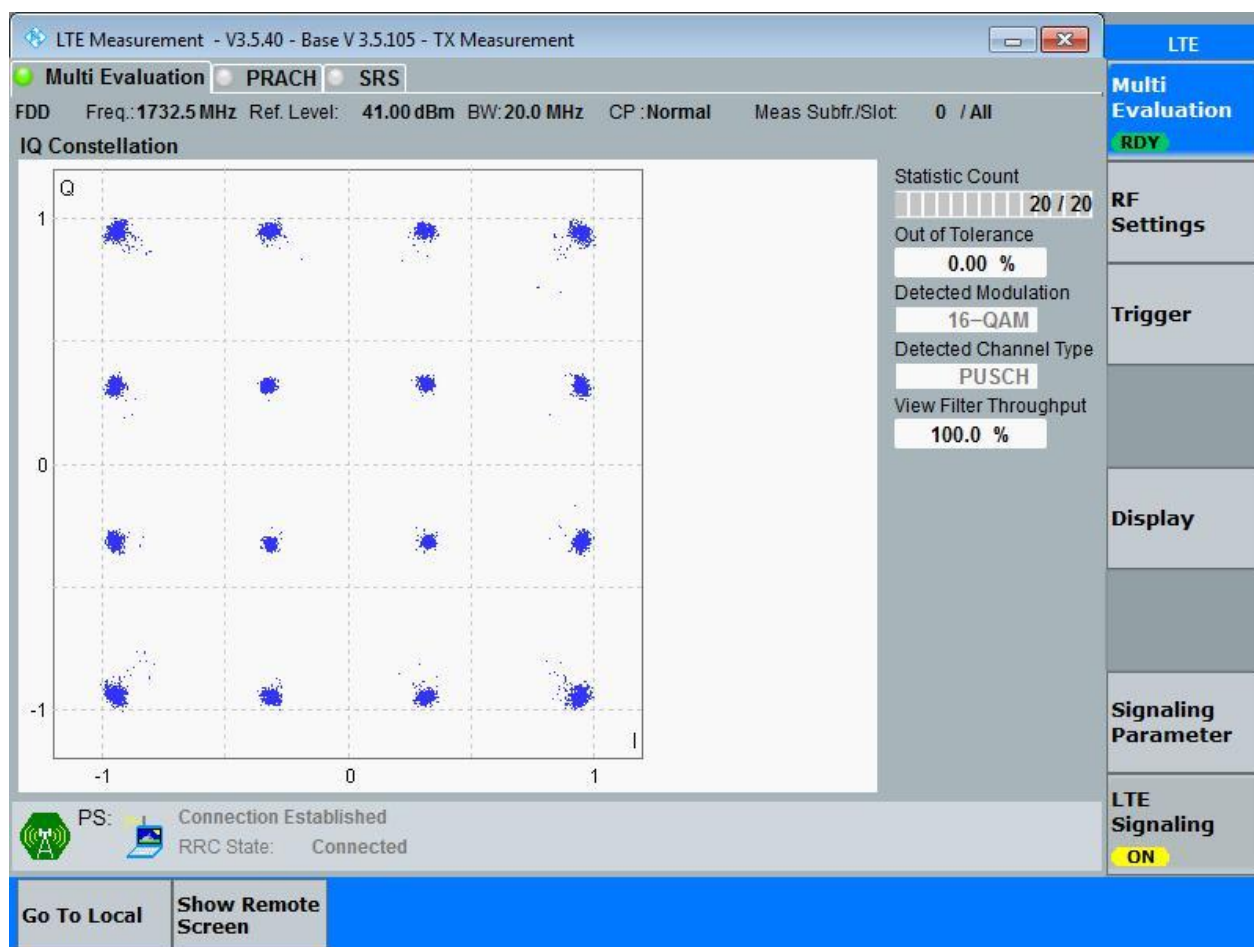
3.3.1.2.5.1.1 Test RB = RB75#0



3.3.1.2.6 Test Bandwidth = 20

3.3.1.2.6.1 Test Channel = MCH

3.3.1.2.6.1.1 Test RB = RB100#0





4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND4	LTE/TM1	1.4	LCH	RB6#0	1.09	1.27	Pass
			MCH	RB6#0	1.09	1.27	Pass
			HCH	RB6#0	1.09	1.26	Pass
		3	LCH	RB15#0	2.70	2.93	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.70	2.96	Pass
		5	LCH	RB25#0	4.50	4.85	Pass
			MCH	RB25#0	4.50	4.84	Pass
			HCH	RB25#0	4.49	4.87	Pass
		10	LCH	RB50#0	8.98	9.58	Pass
			MCH	RB50#0	8.98	9.62	Pass
			HCH	RB50#0	8.97	9.62	Pass
		15	LCH	RB75#0	13.45	14.27	Pass
			MCH	RB75#0	13.44	14.29	Pass
			HCH	RB75#0	13.43	14.25	Pass
		20	LCH	RB100#0	17.89	18.97	Pass
			MCH	RB100#0	17.90	18.95	Pass
			HCH	RB100#0	17.92	19.00	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.29	Pass
			MCH	RB6#0	1.09	1.27	Pass
			HCH	RB6#0	1.09	1.27	Pass
		3	LCH	RB15#0	2.70	2.92	Pass
			MCH	RB15#0	2.70	2.93	Pass
			HCH	RB15#0	2.71	2.95	Pass
		5	LCH	RB25#0	4.49	4.84	Pass
			MCH	RB25#0	4.49	4.88	Pass
			HCH	RB25#0	4.50	4.89	Pass
		10	LCH	RB50#0	8.97	9.60	Pass
			MCH	RB50#0	8.97	9.59	Pass
			HCH	RB50#0	8.98	9.56	Pass
		15	LCH	RB75#0	13.43	14.27	Pass
			MCH	RB75#0	13.44	14.25	Pass
			HCH	RB75#0	13.43	14.28	Pass
		20	LCH	RB100#0	17.91	18.95	Pass
			MCH	RB100#0	17.89	18.95	Pass
			HCH	RB100#0	17.92	19.01	Pass



Part II - Test Plots

4.1 For LTE

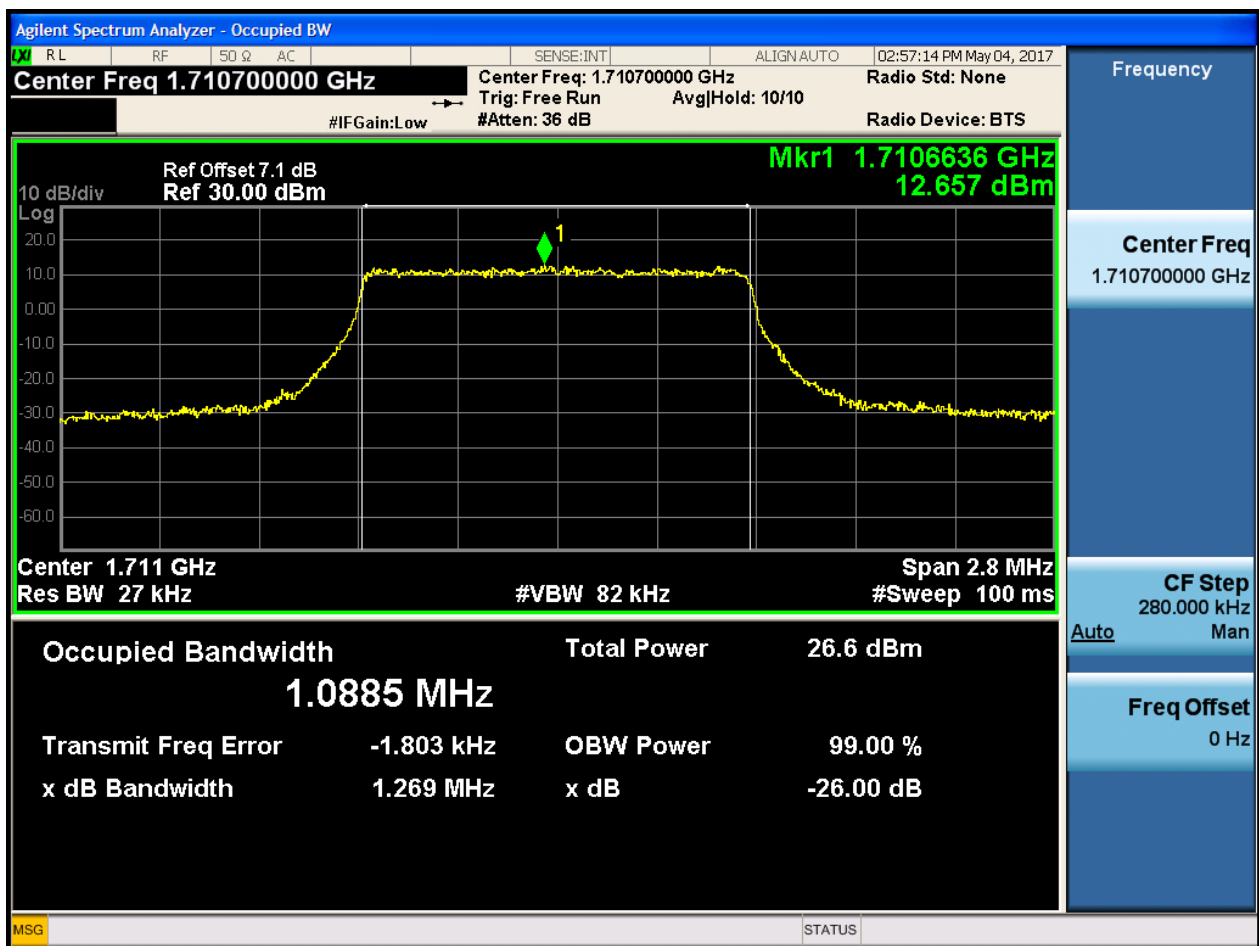
4.1.1 Test Band = BAND4

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

4.1.1.1.1.1 Test Channel = LCH

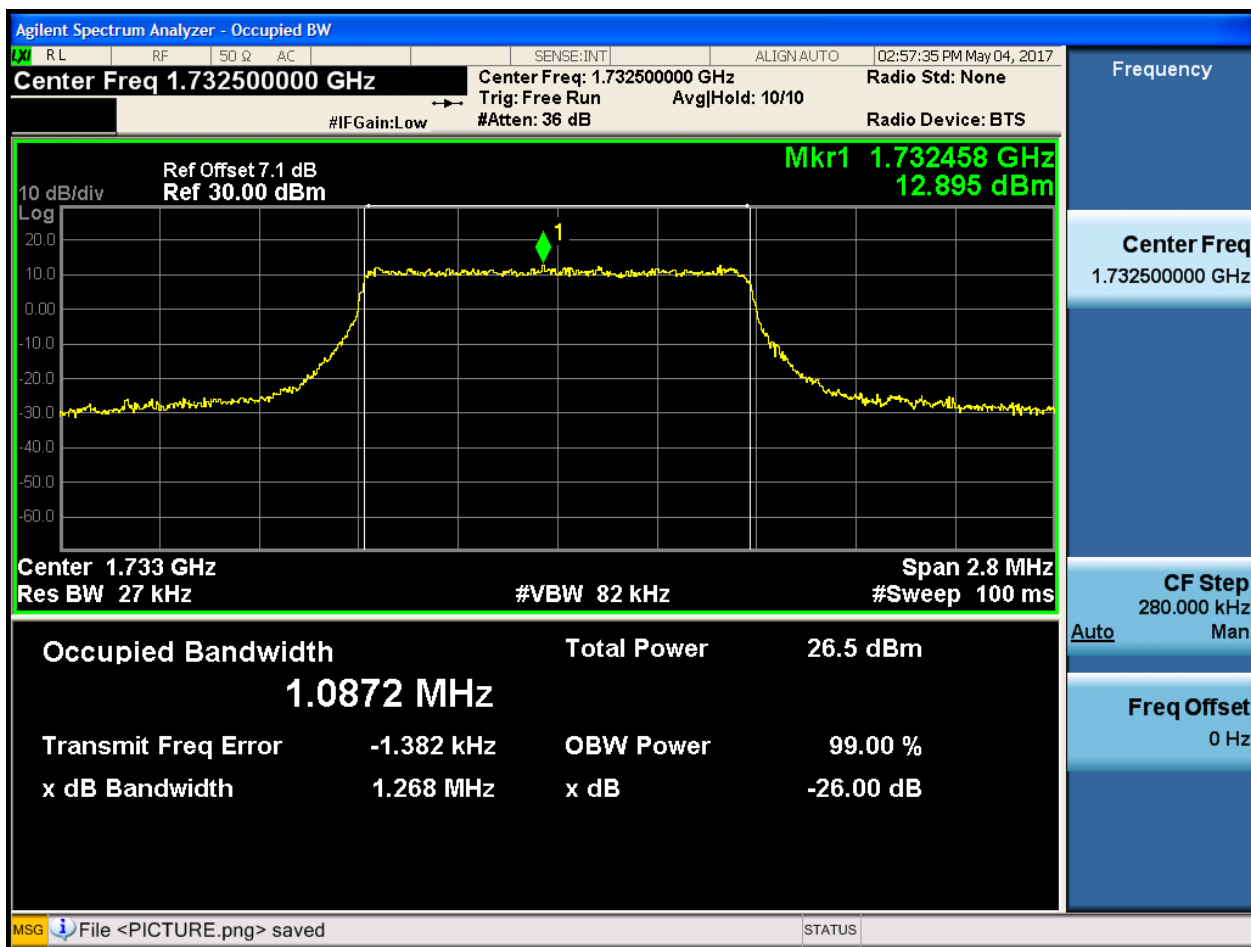
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

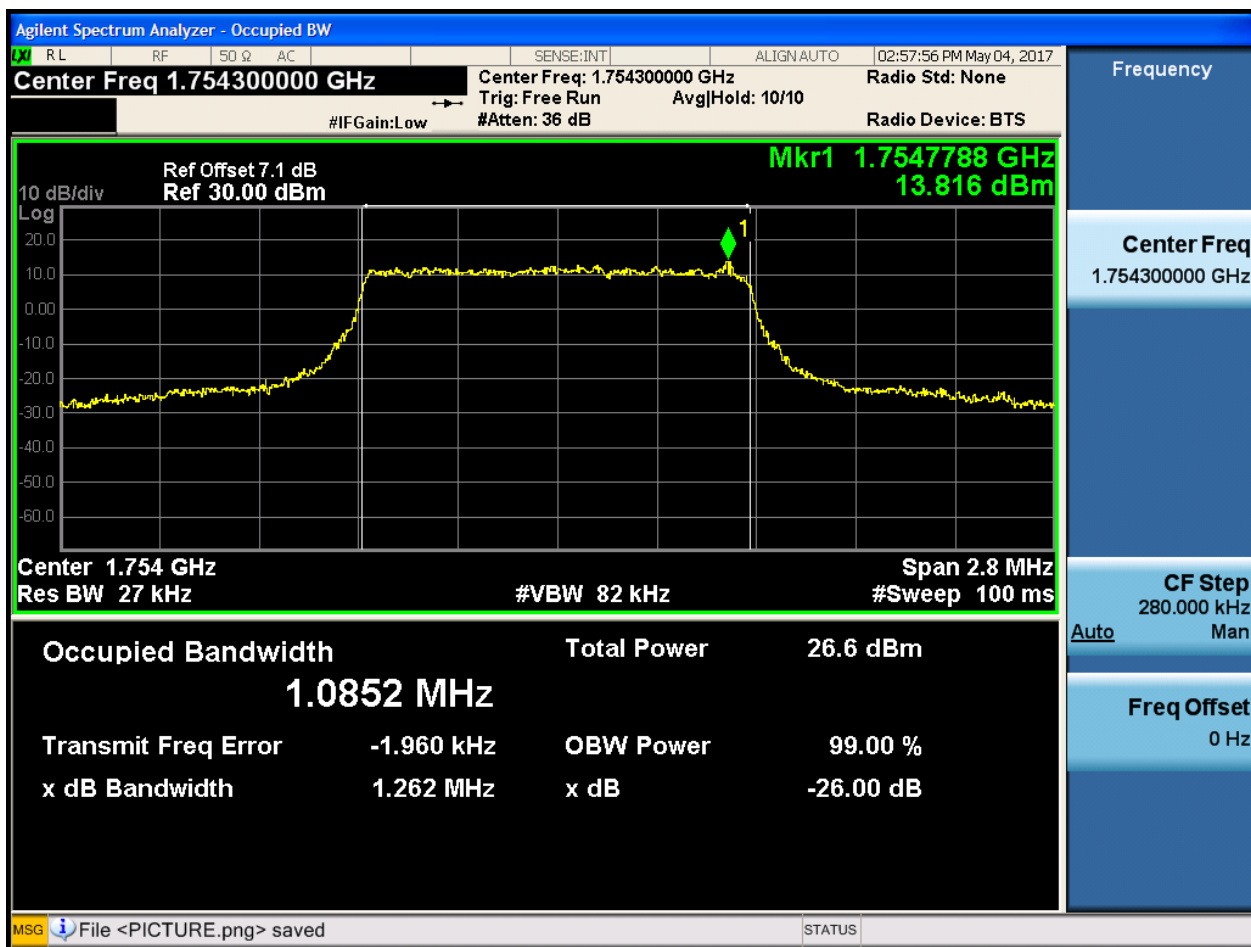
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

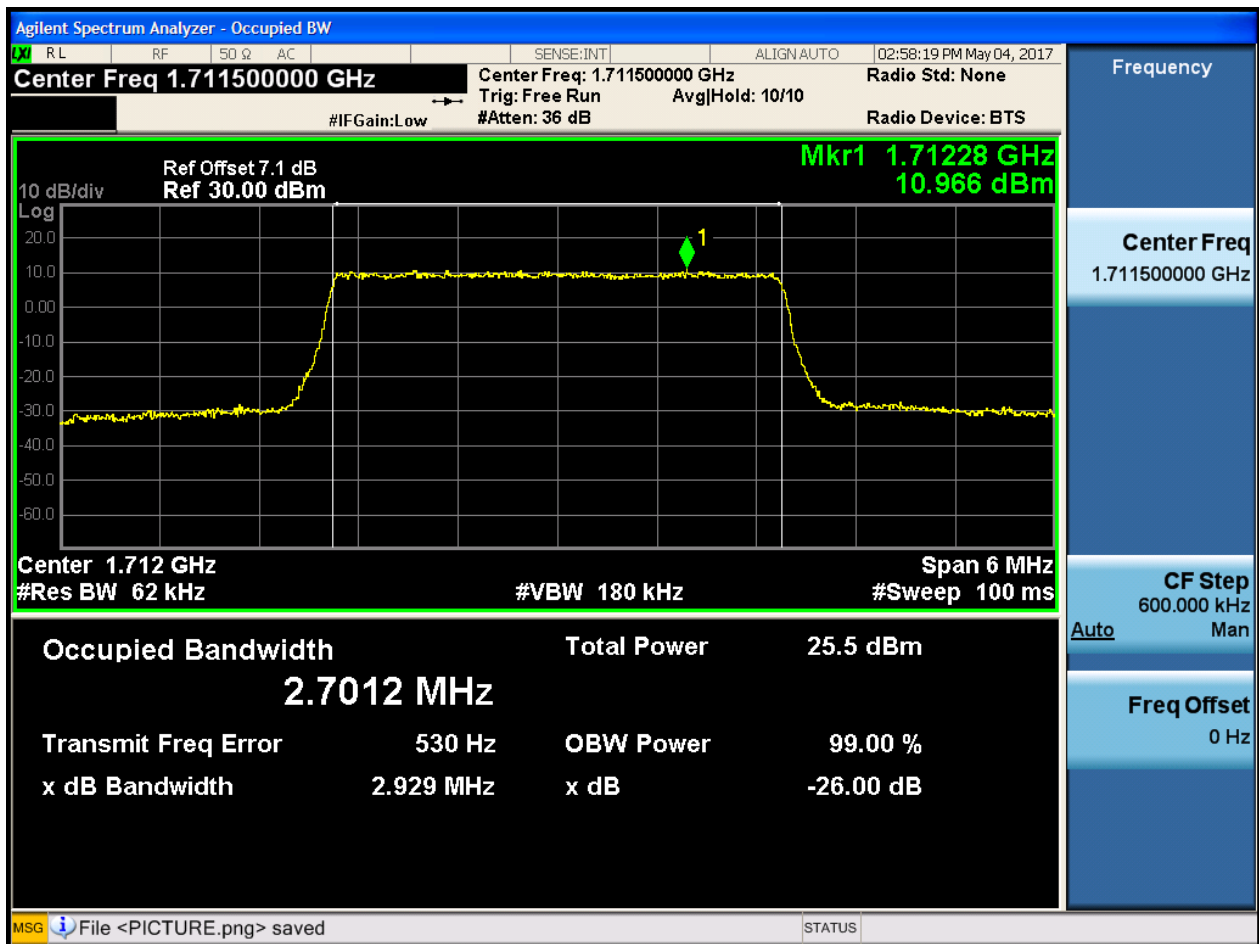




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

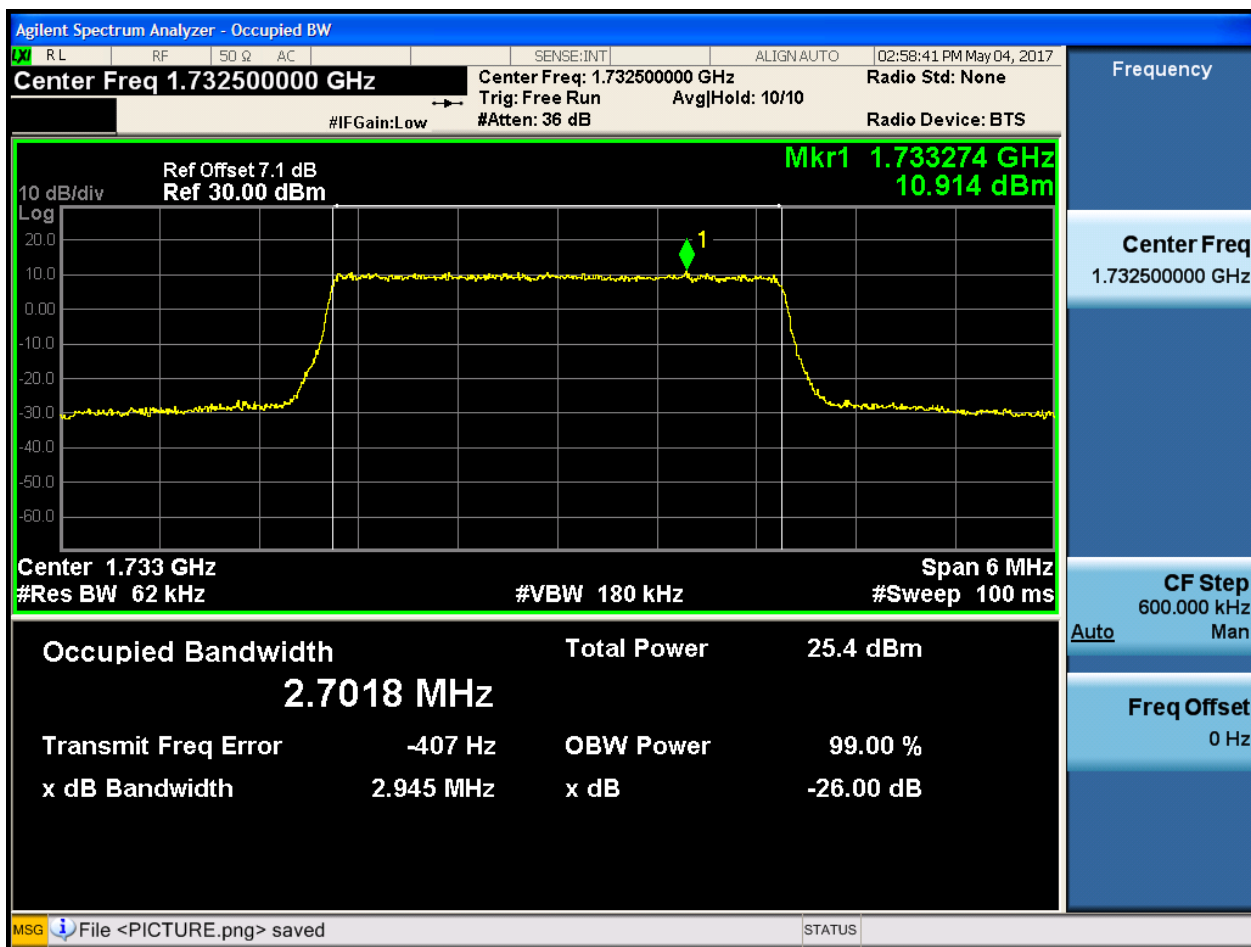
4.1.1.1.2.1.1 Test RB = RB15#0

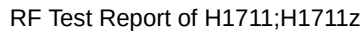




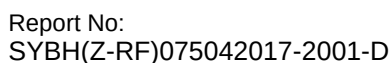
4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3.1 Test RB = RB15#0

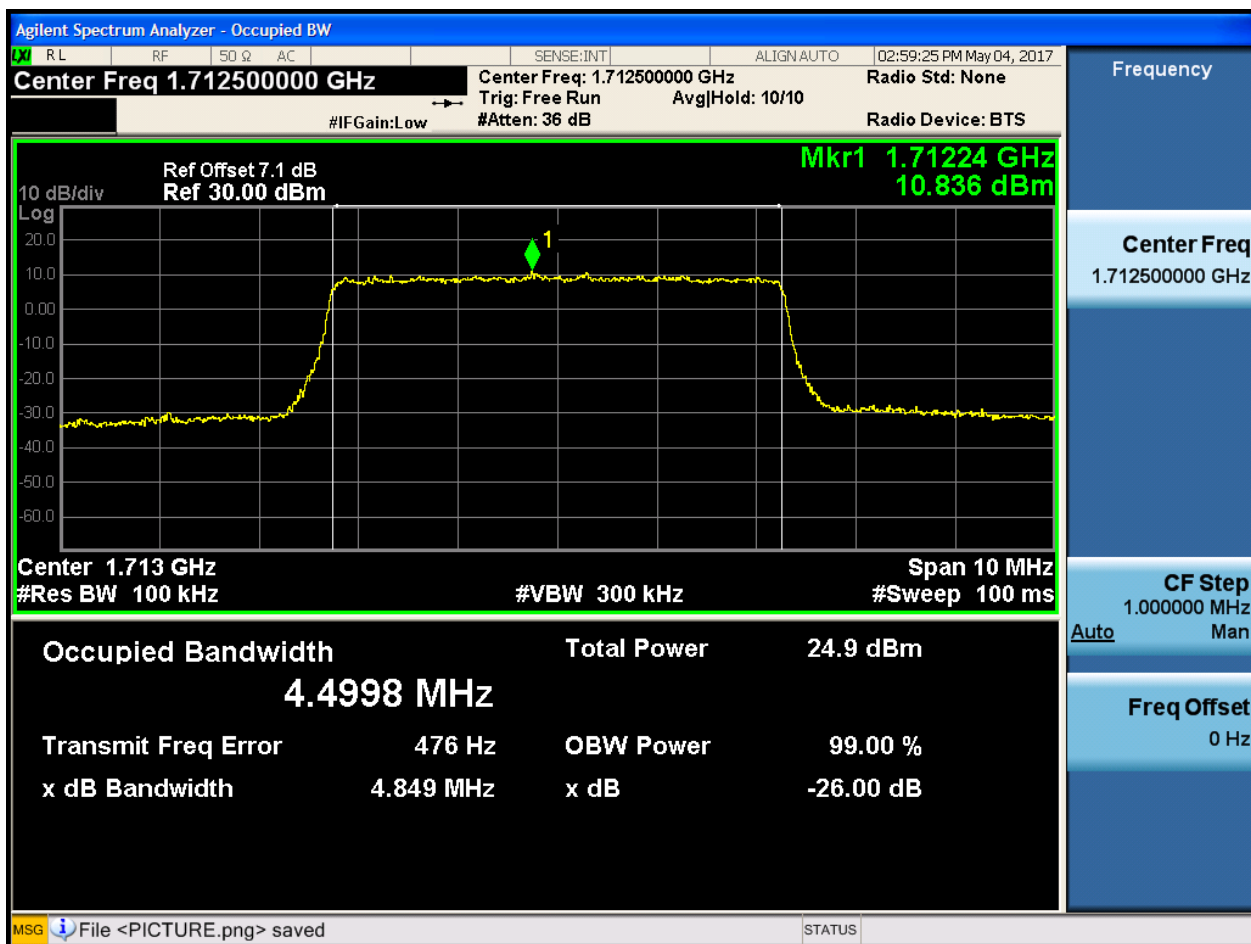




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

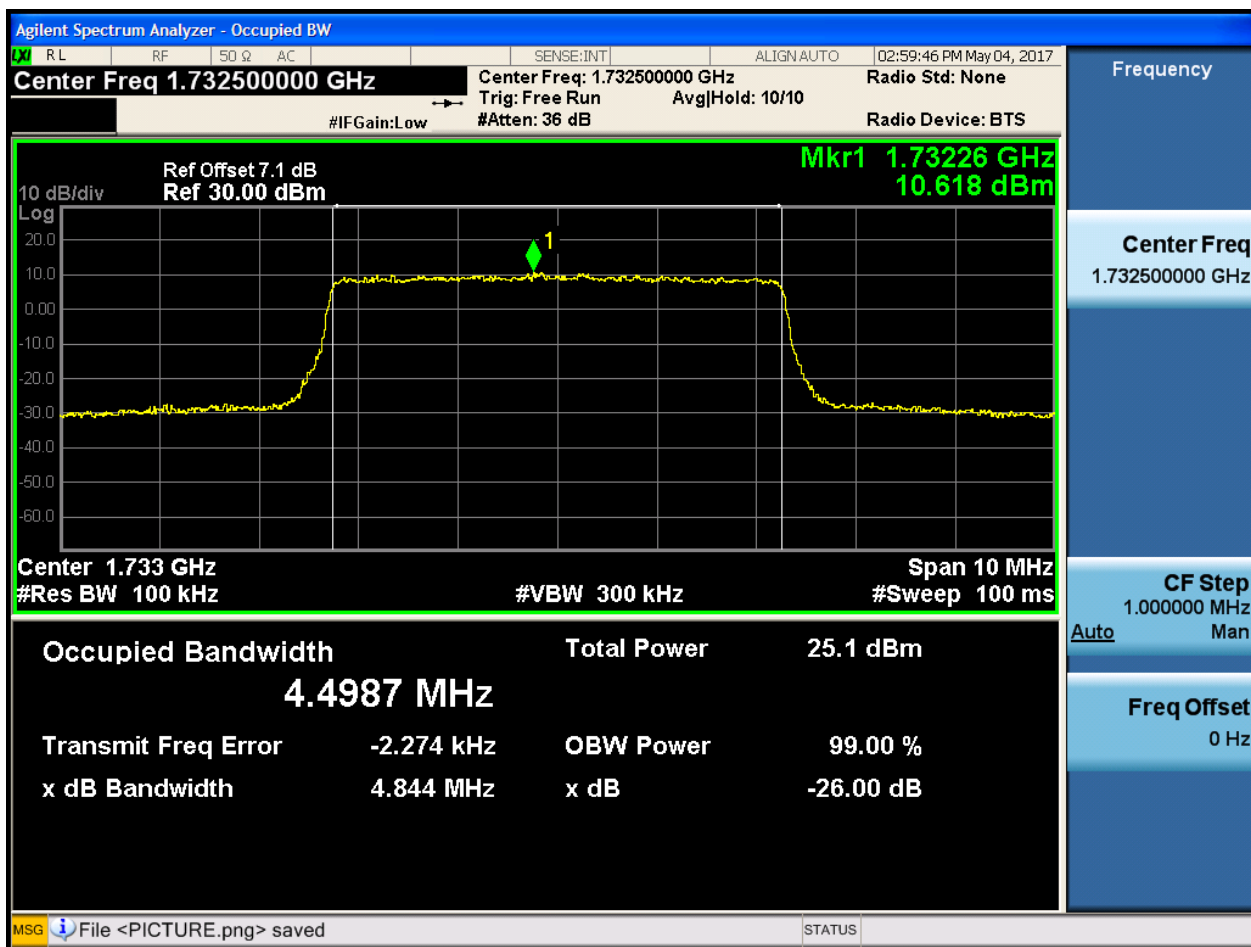
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

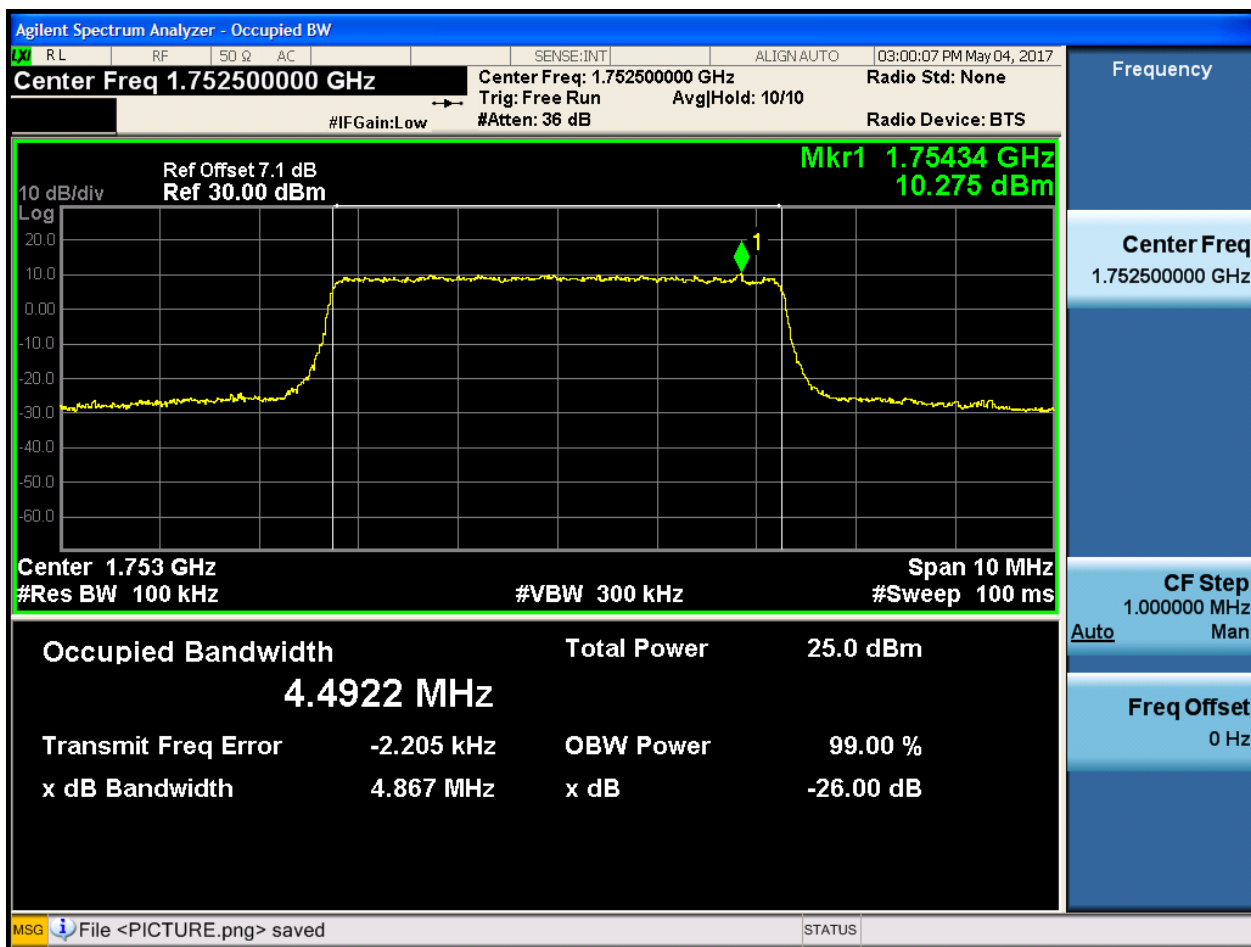
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

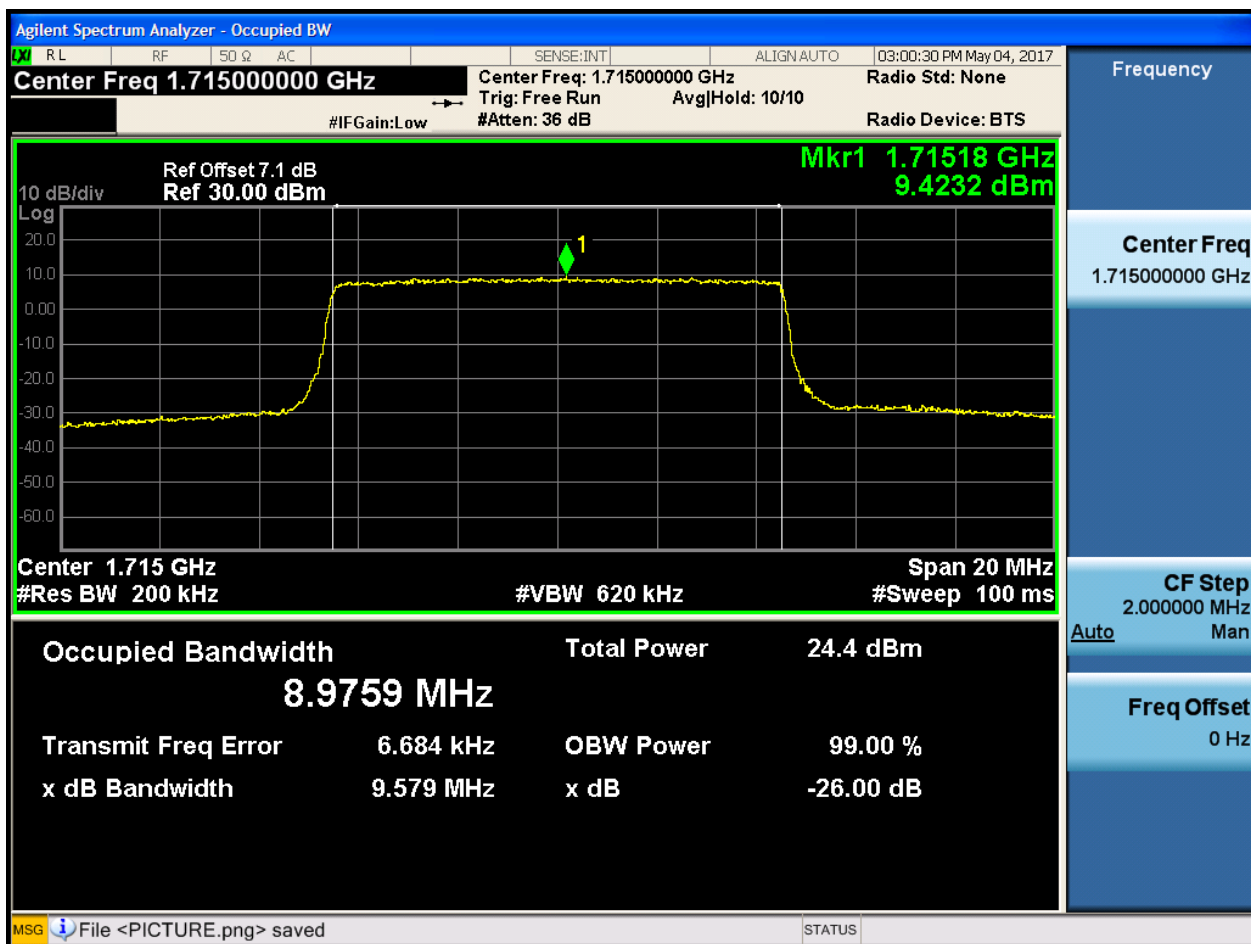




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

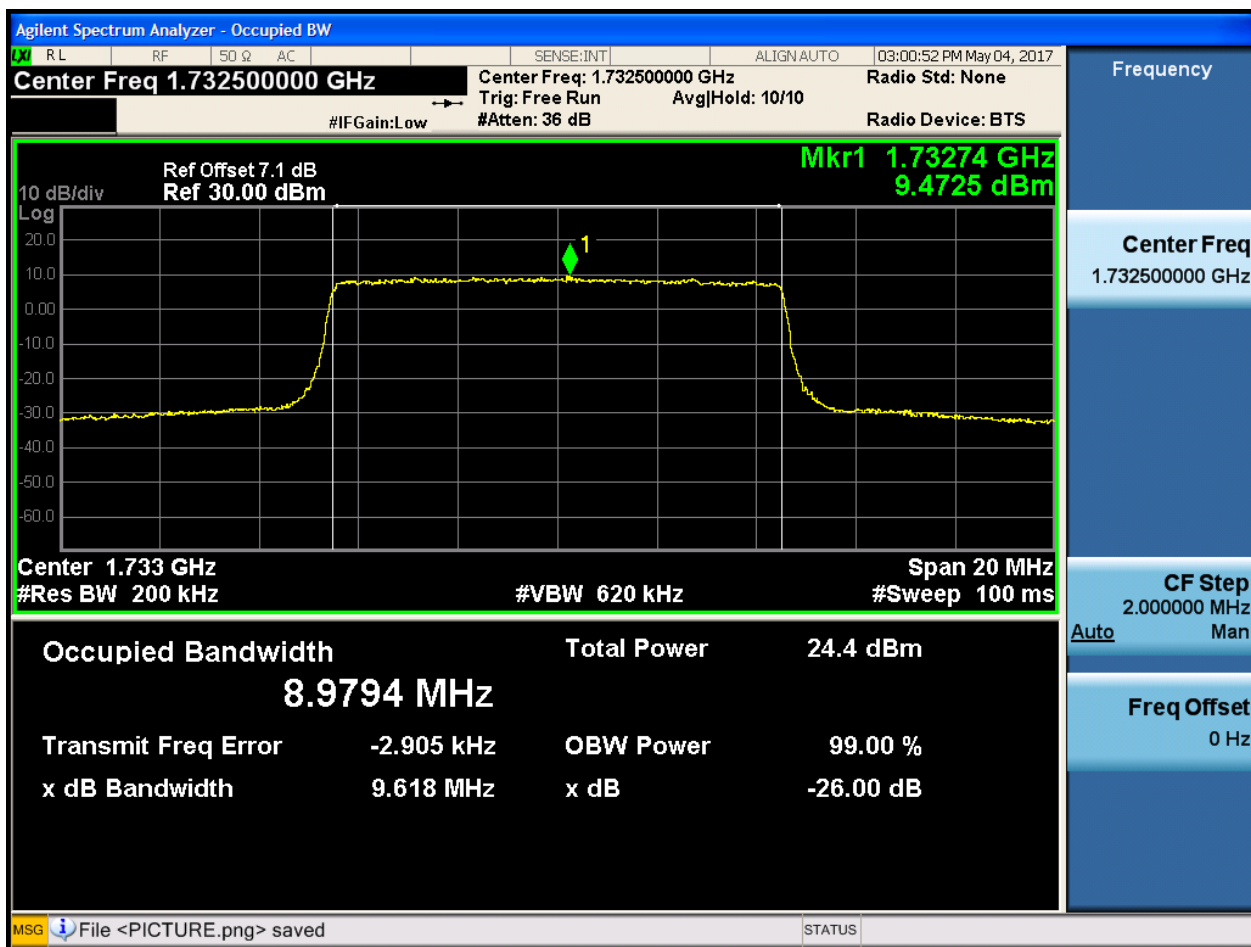
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

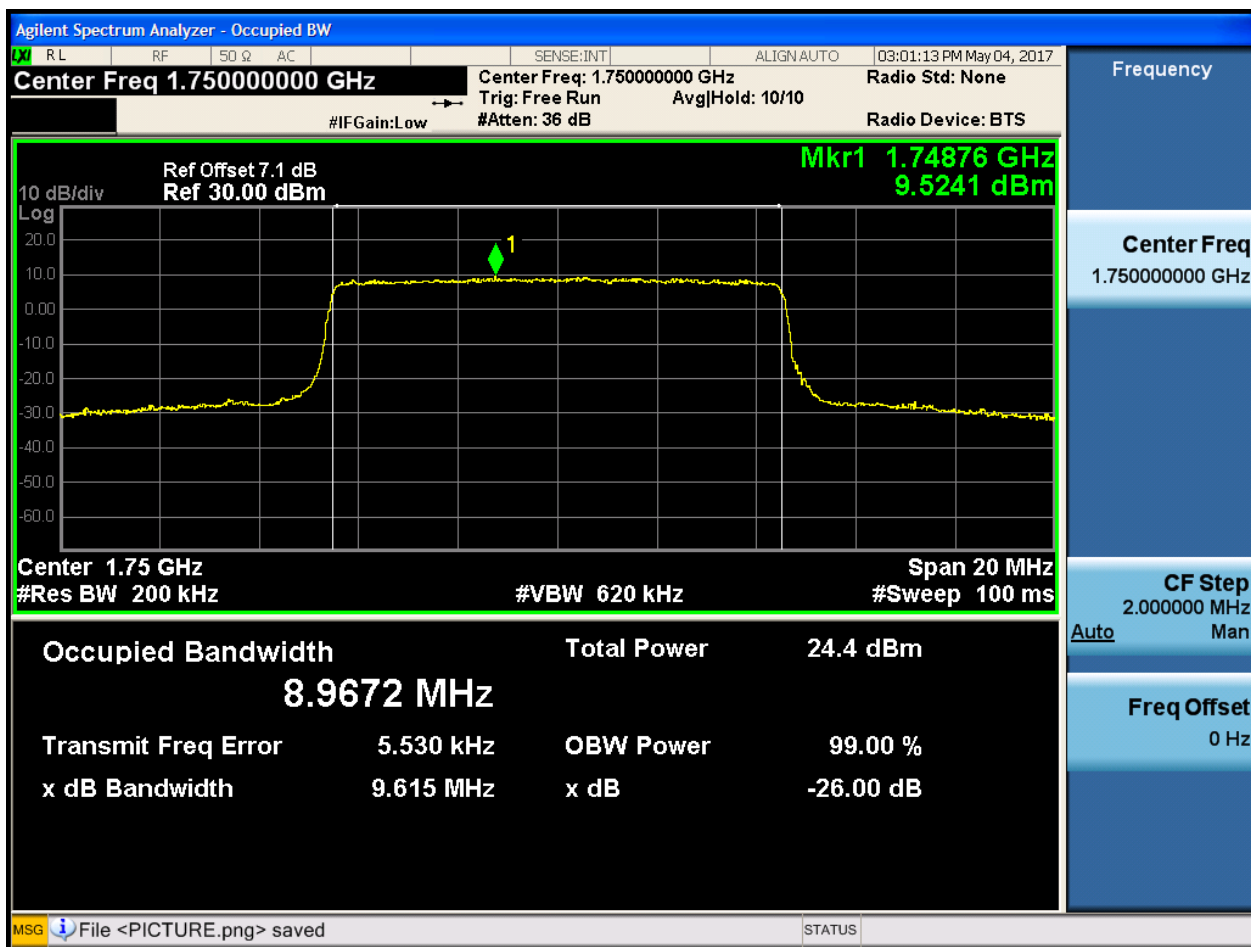
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

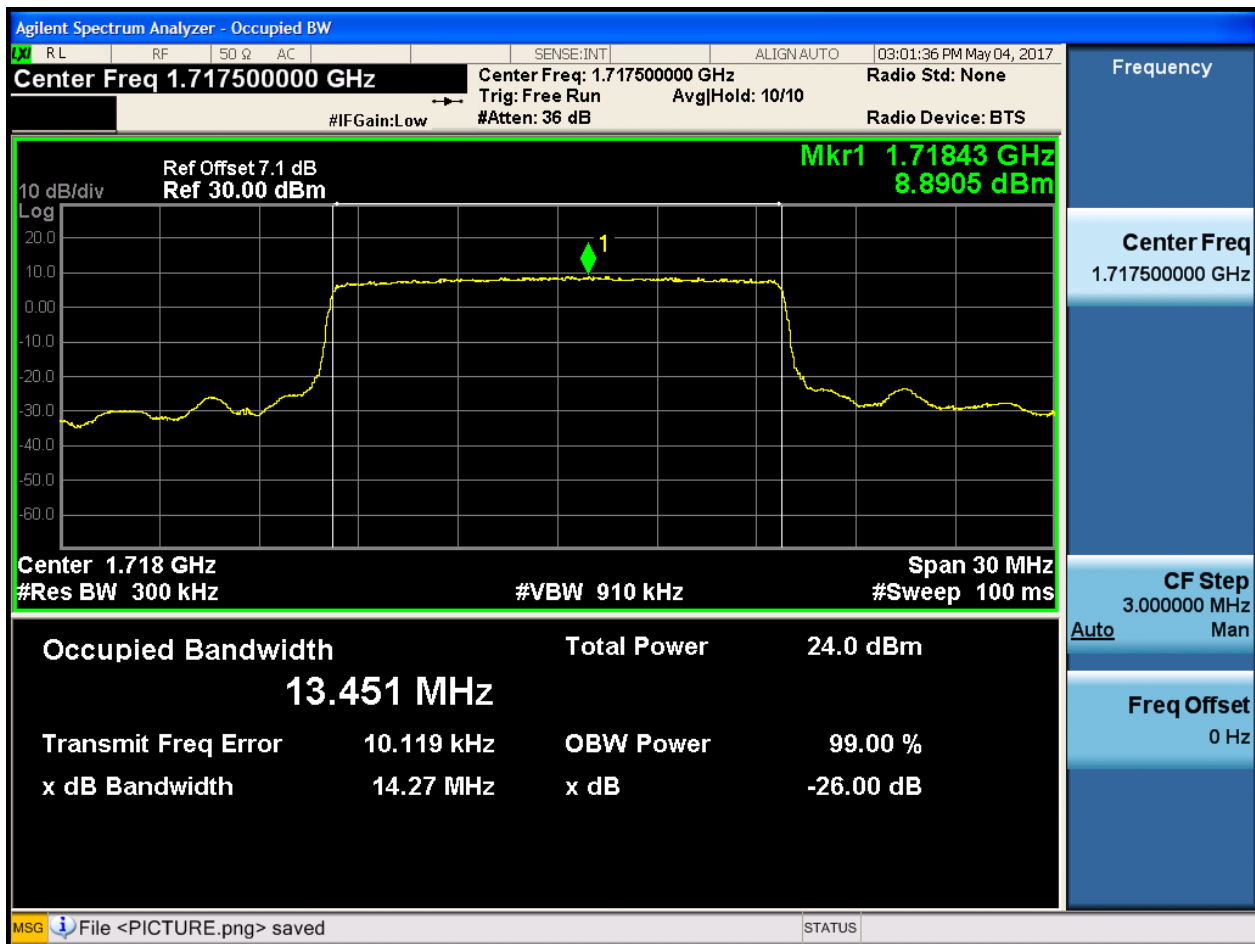




4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

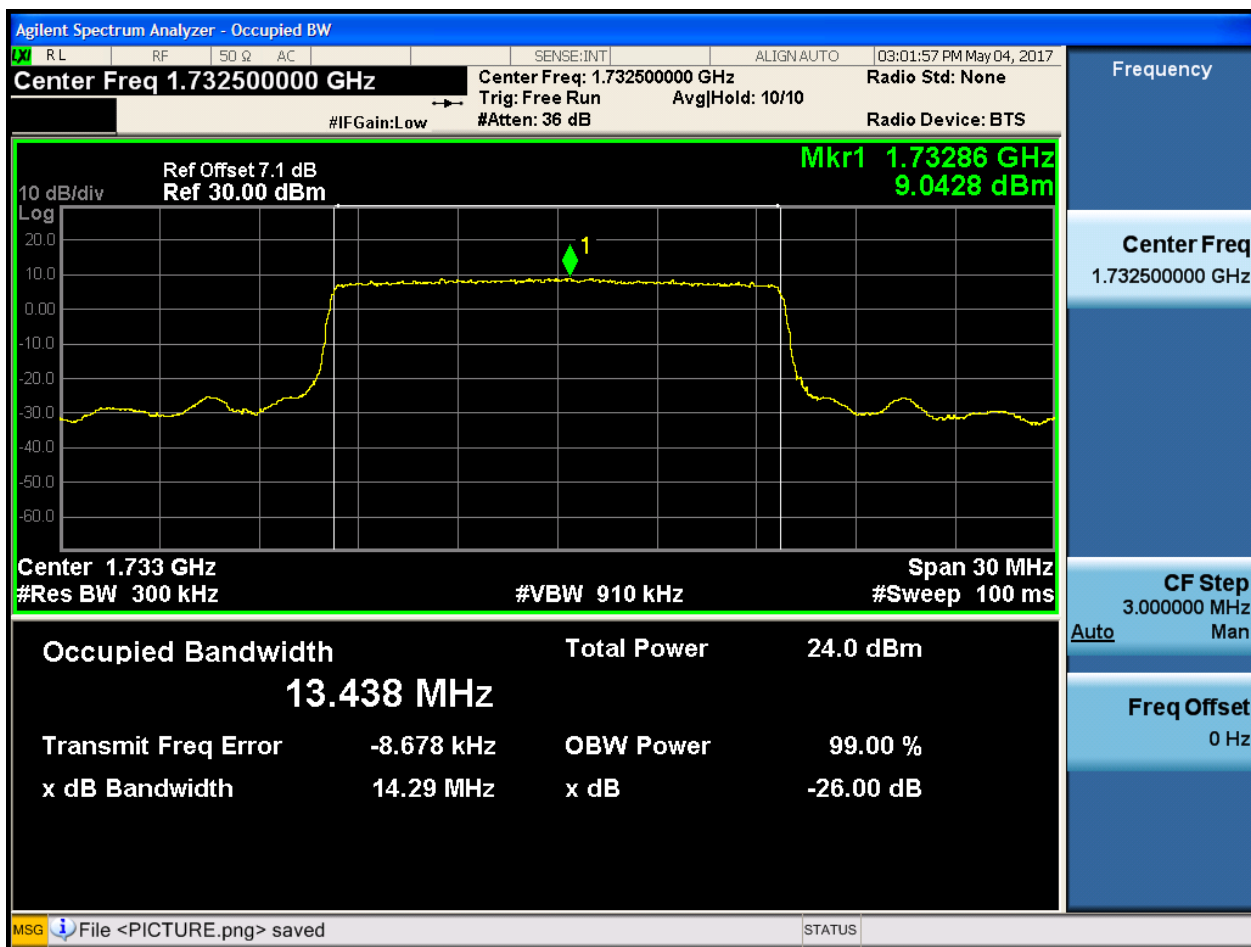
4.1.1.1.5.1.1 Test RB = RB75#0





4.1.1.1.5.2 Test Channel = MCH

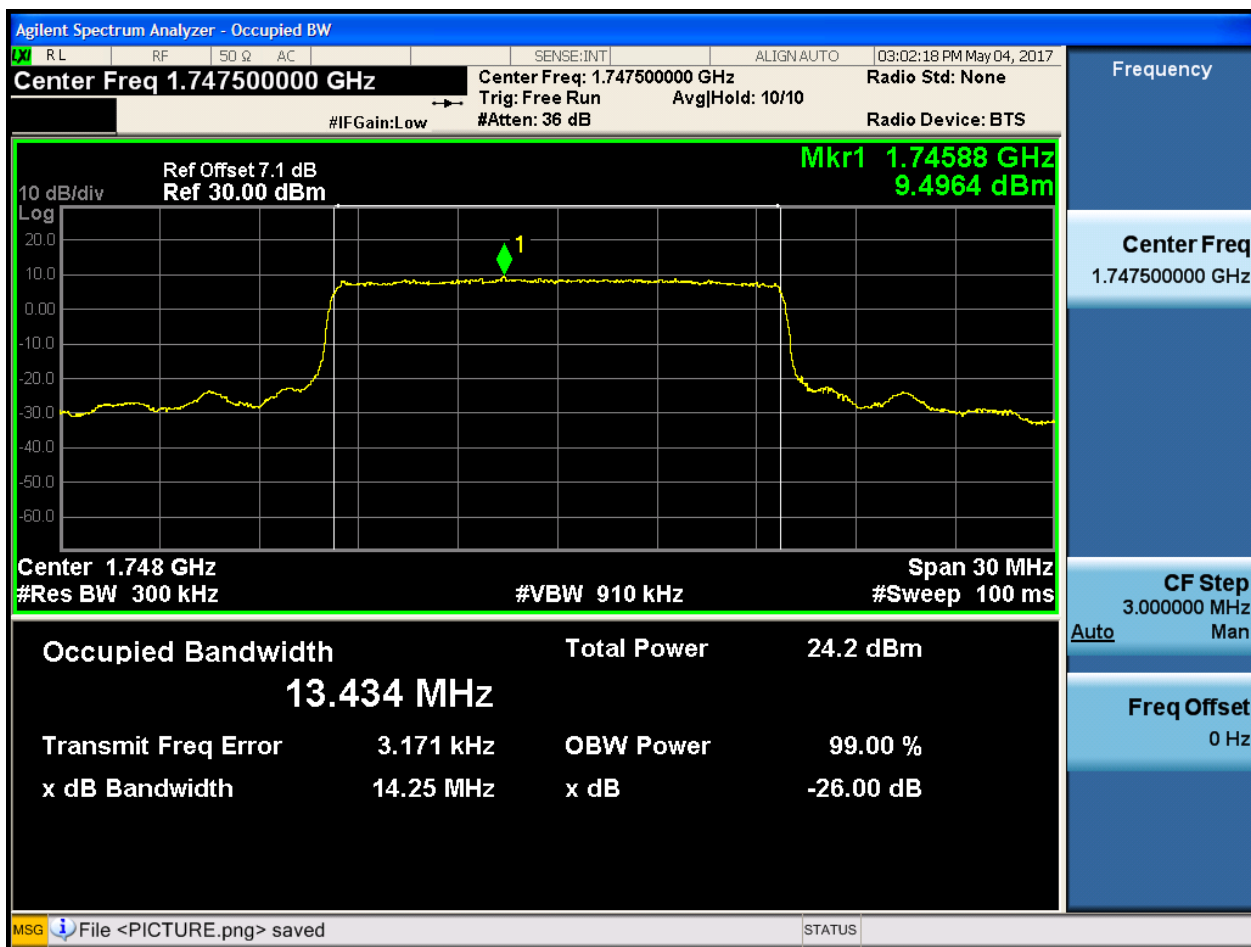
4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

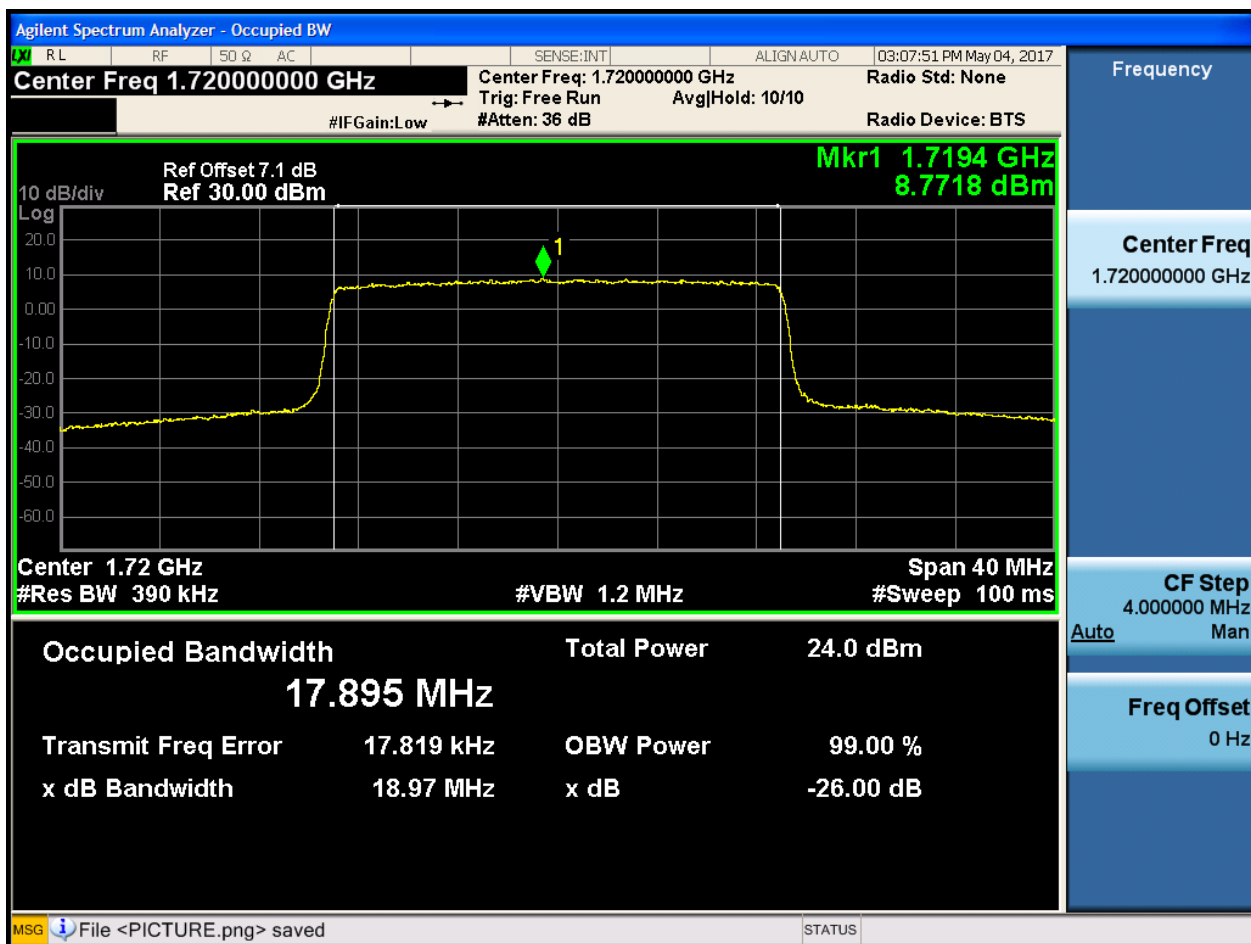




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

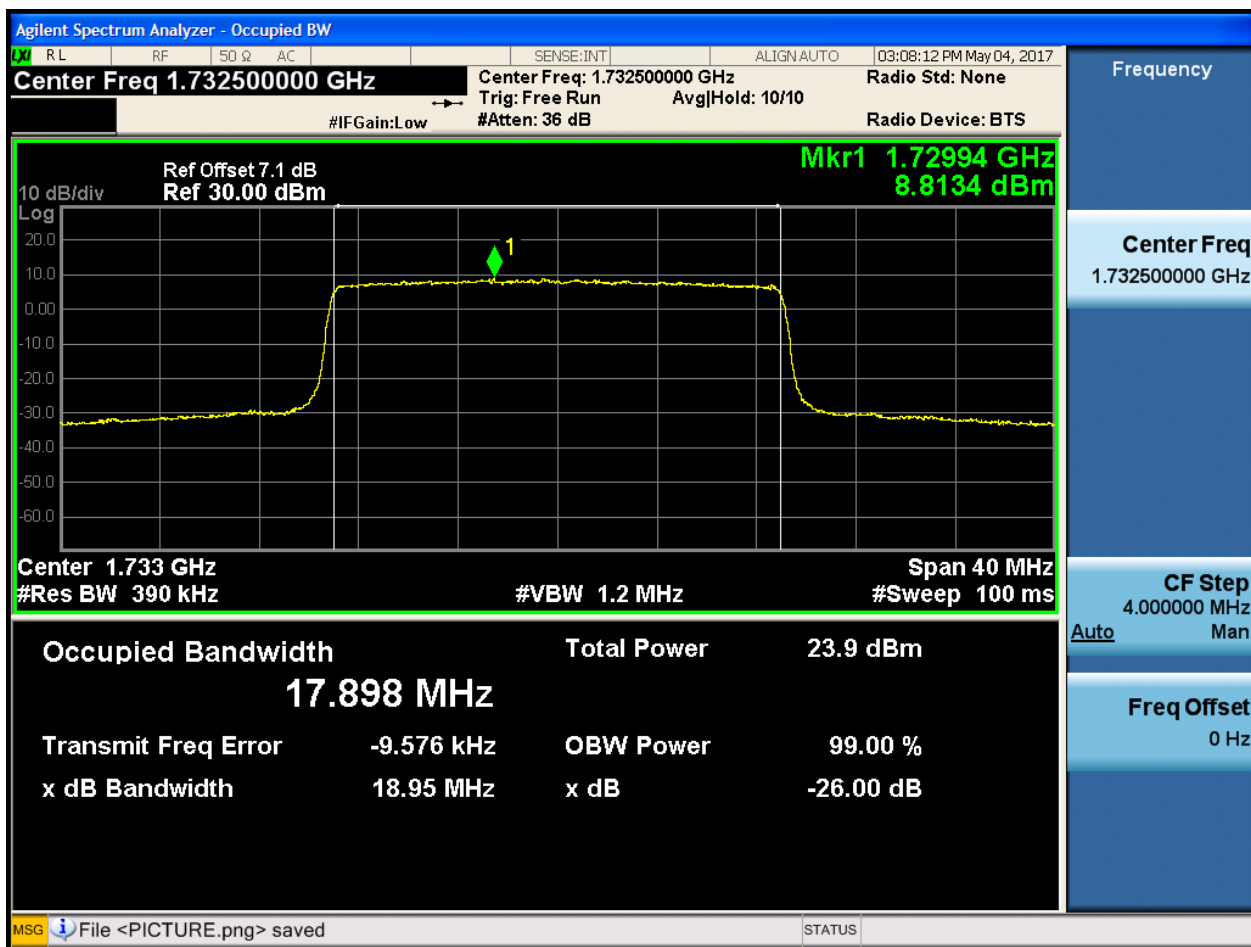
4.1.1.1.6.1.1 Test RB = RB100#0





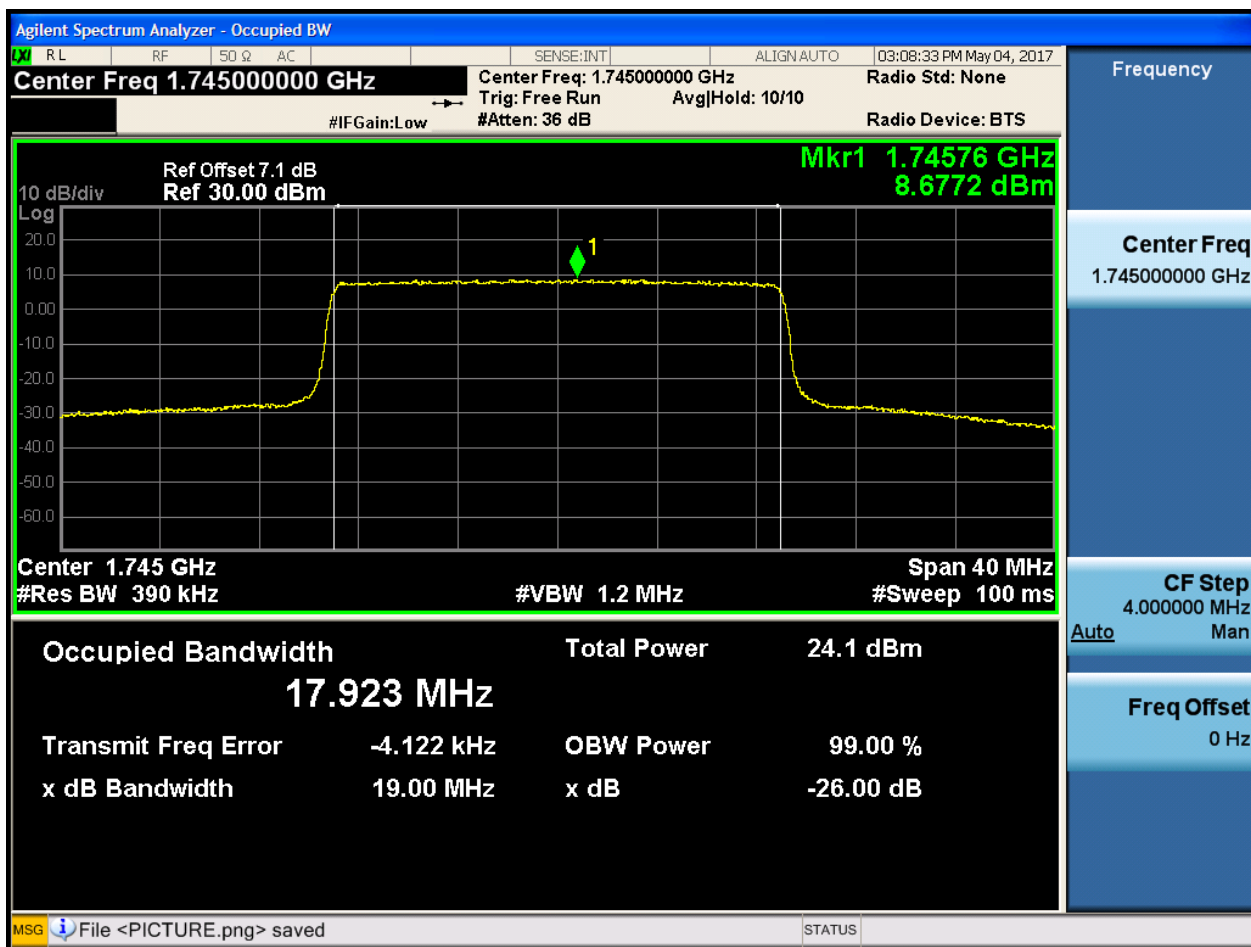
4.1.1.1.6.2 Test Channel = MCH

4.1.1.1.6.2.1 Test RB = RB100#0



4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0



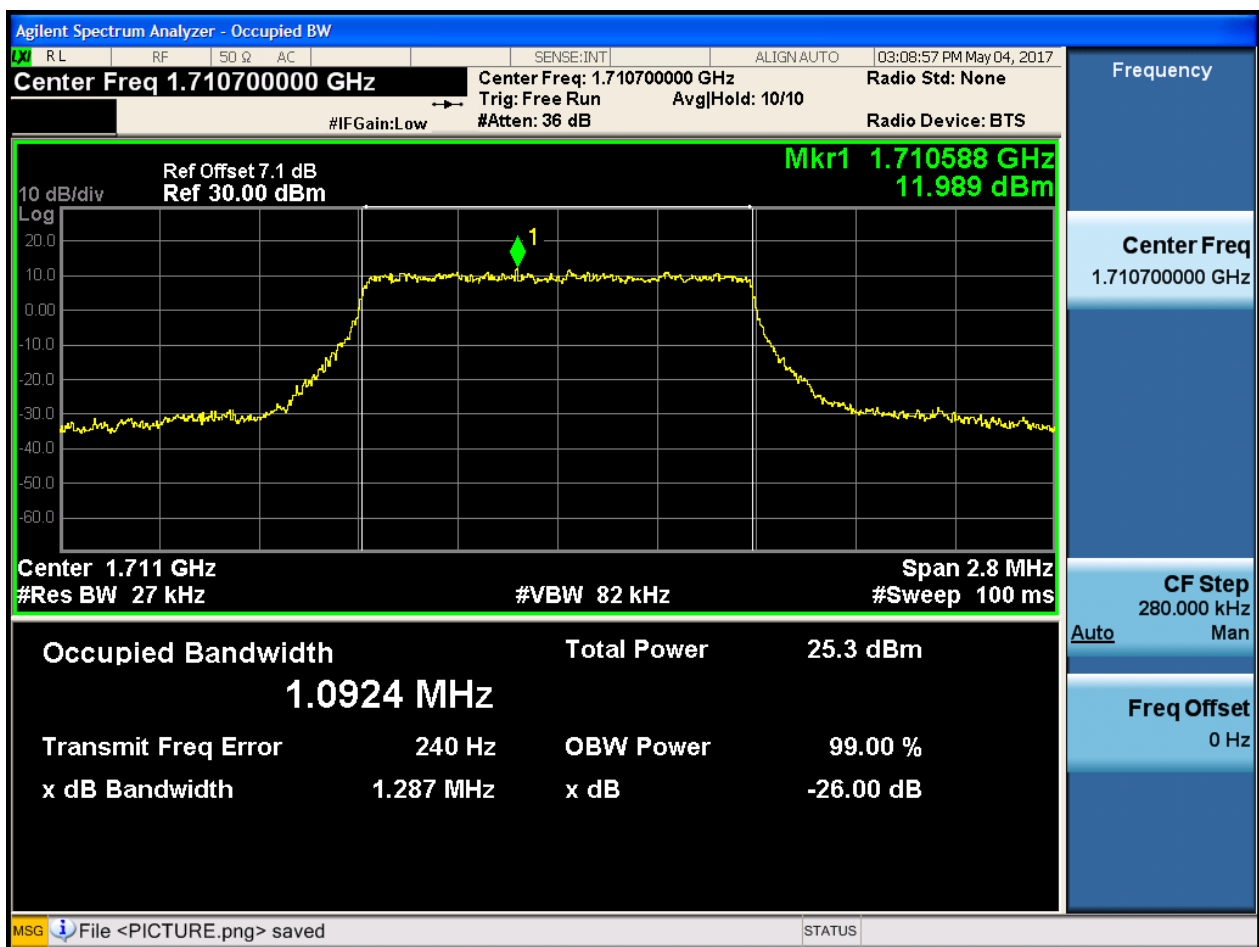


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

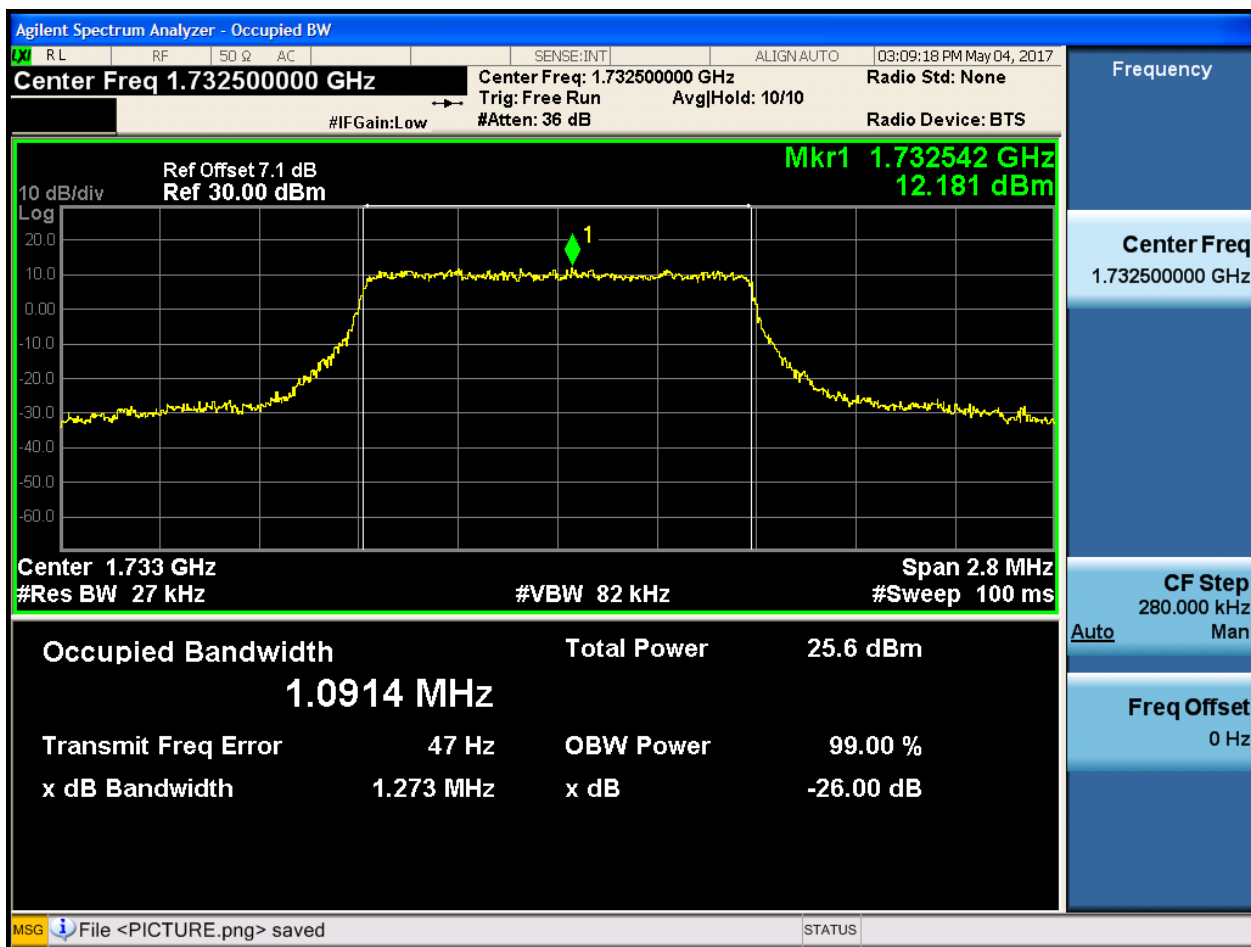
4.1.1.2.1.1.1 Test RB = RB6#0





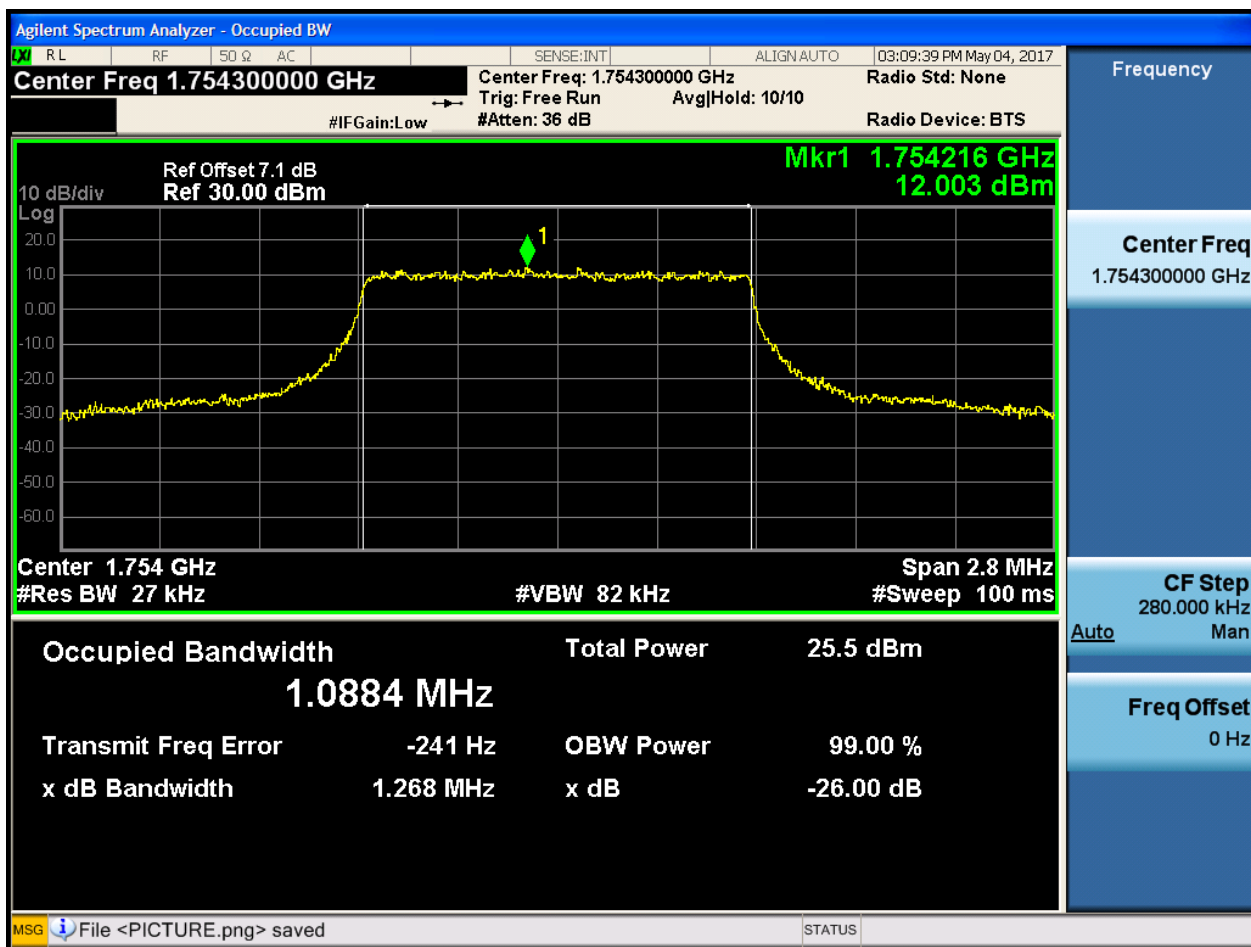
4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB6#0



4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

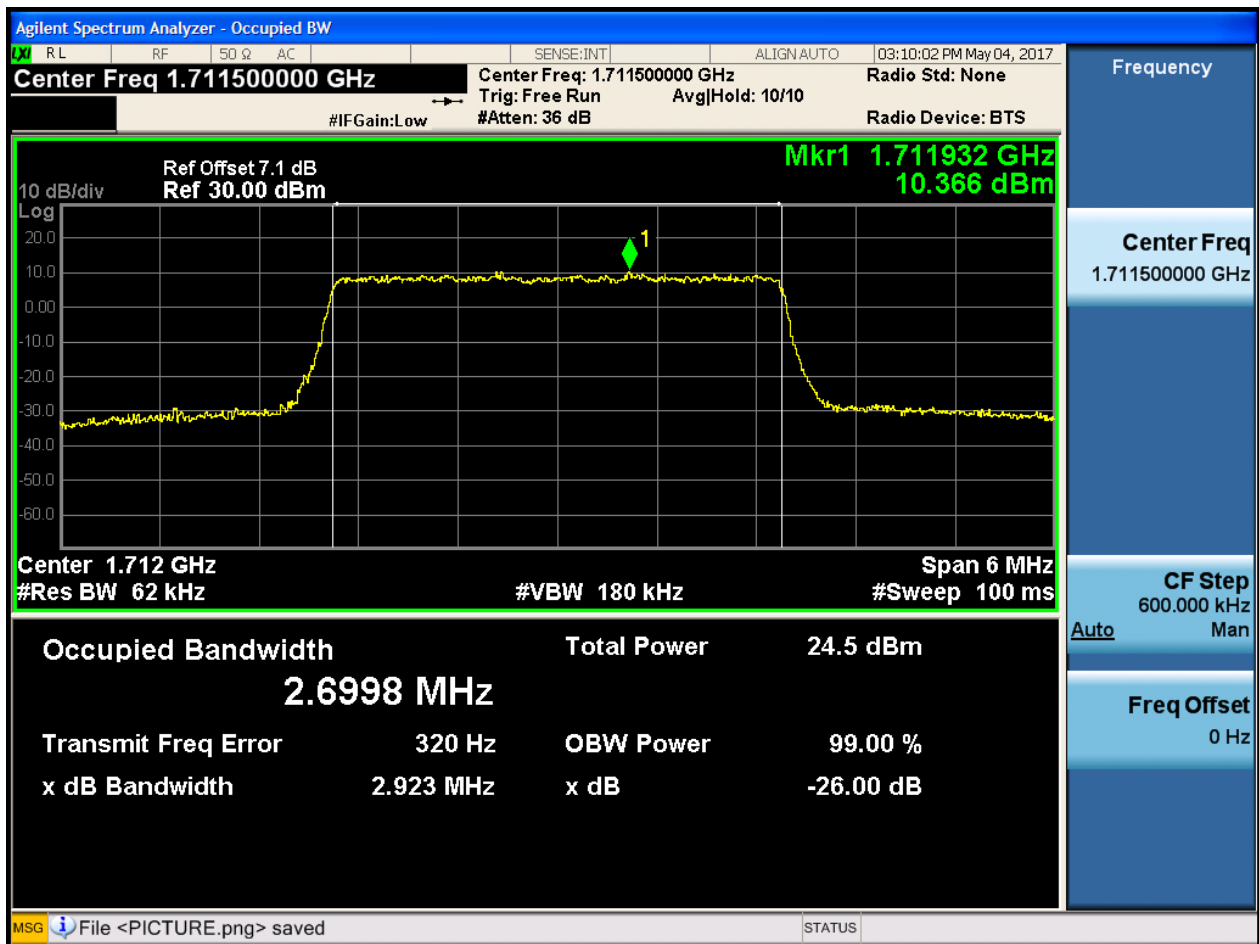




4.1.1.2.2 Test Bandwidth = 3

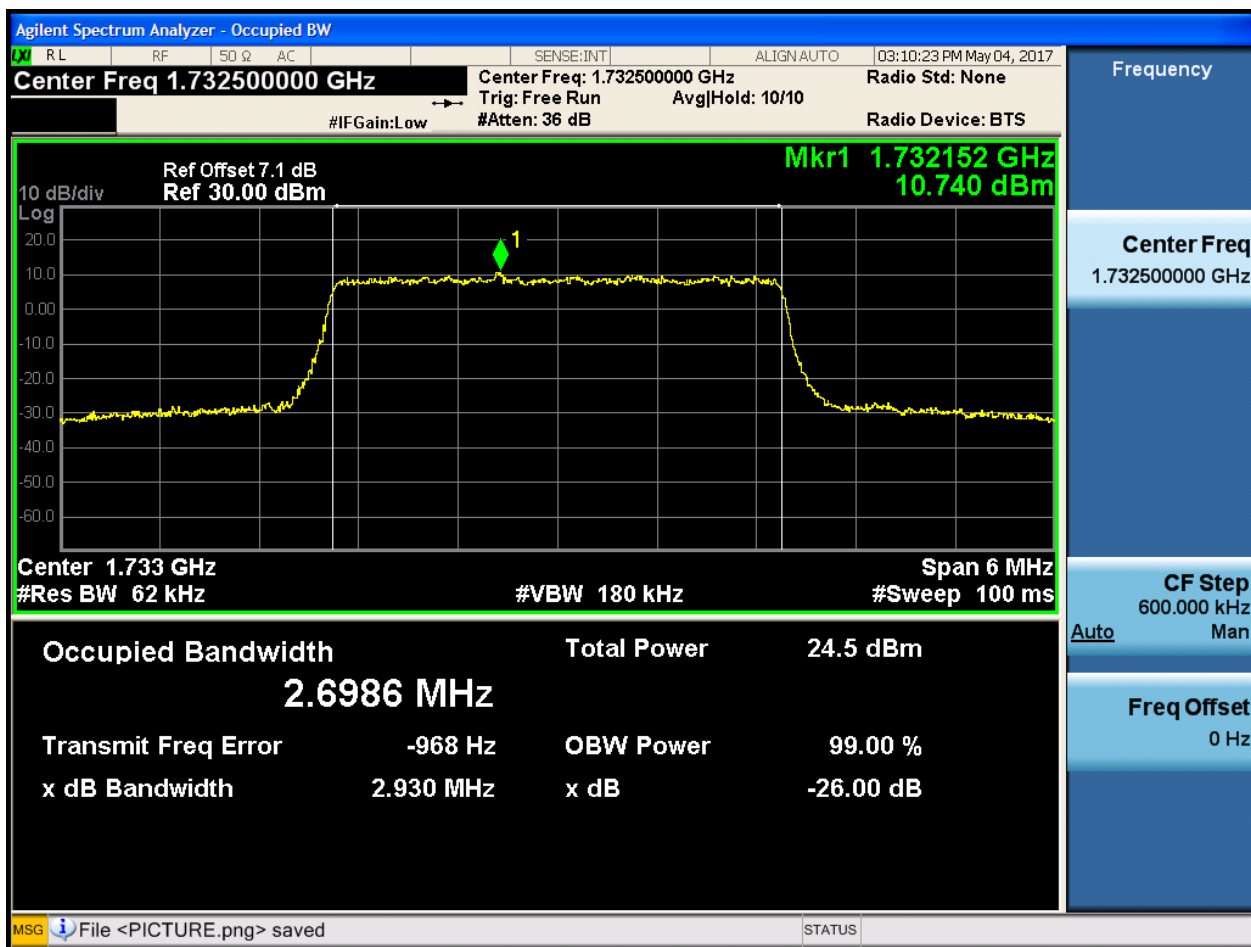
4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0



4.1.1.2.2.2 Test Channel = MCH

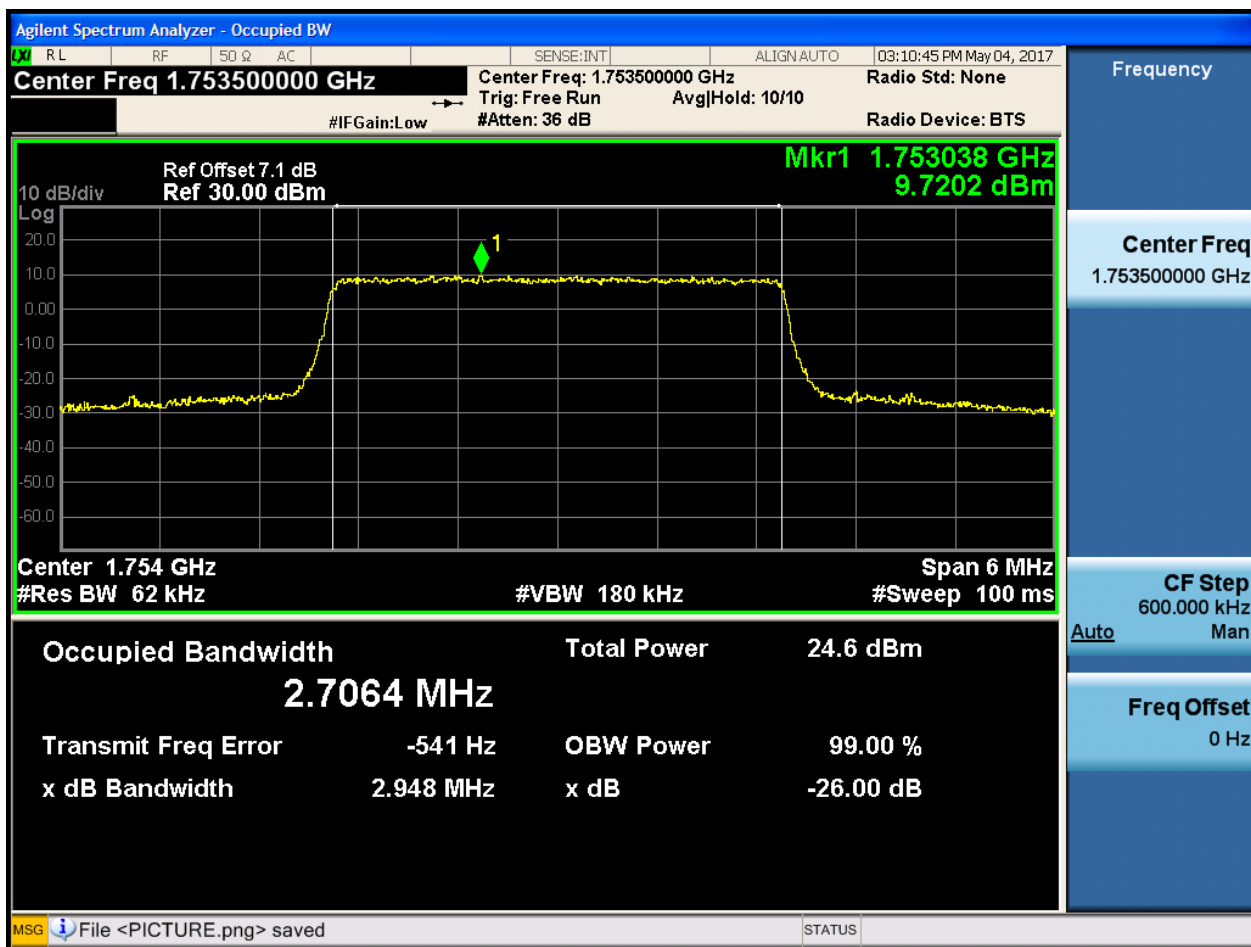
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

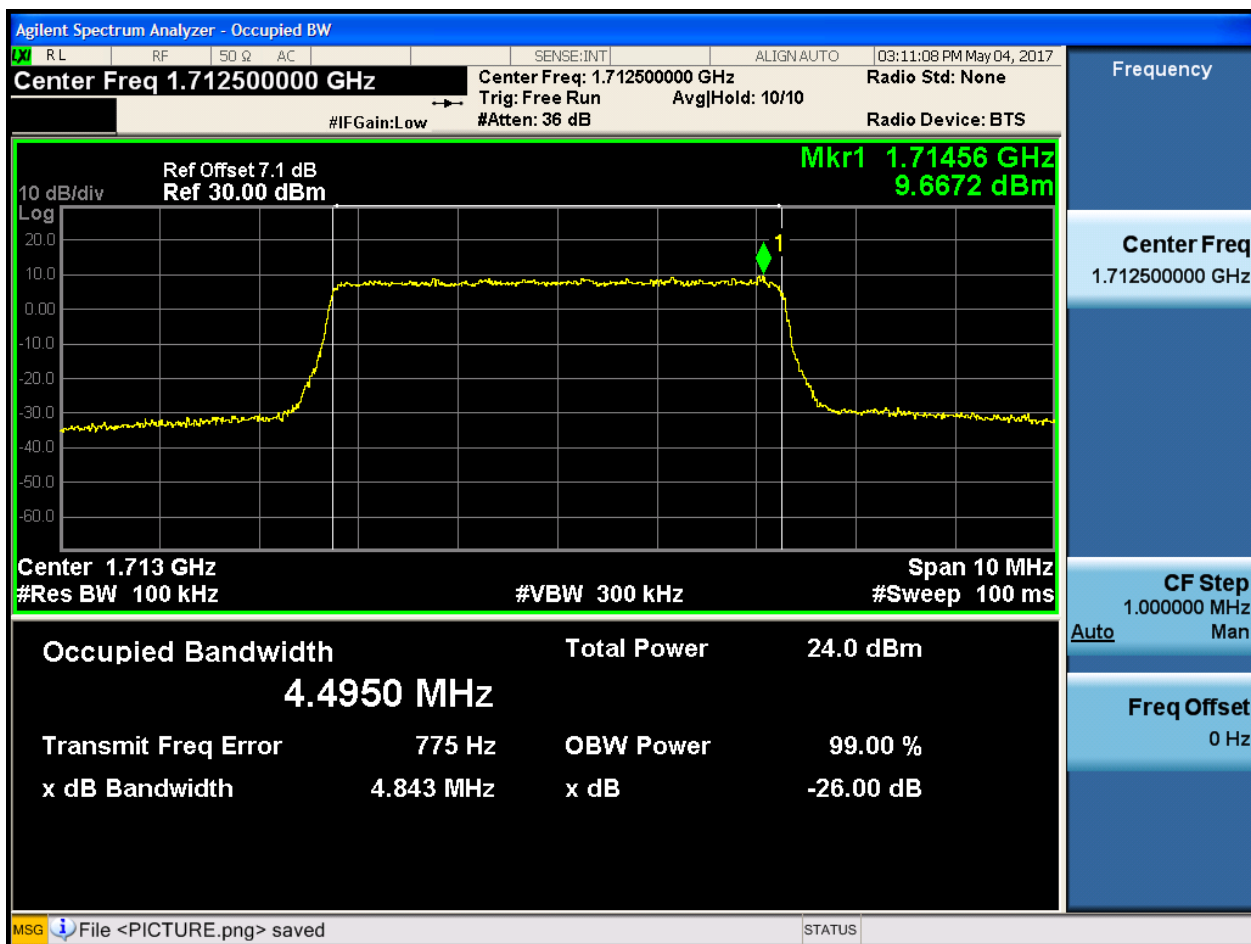




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

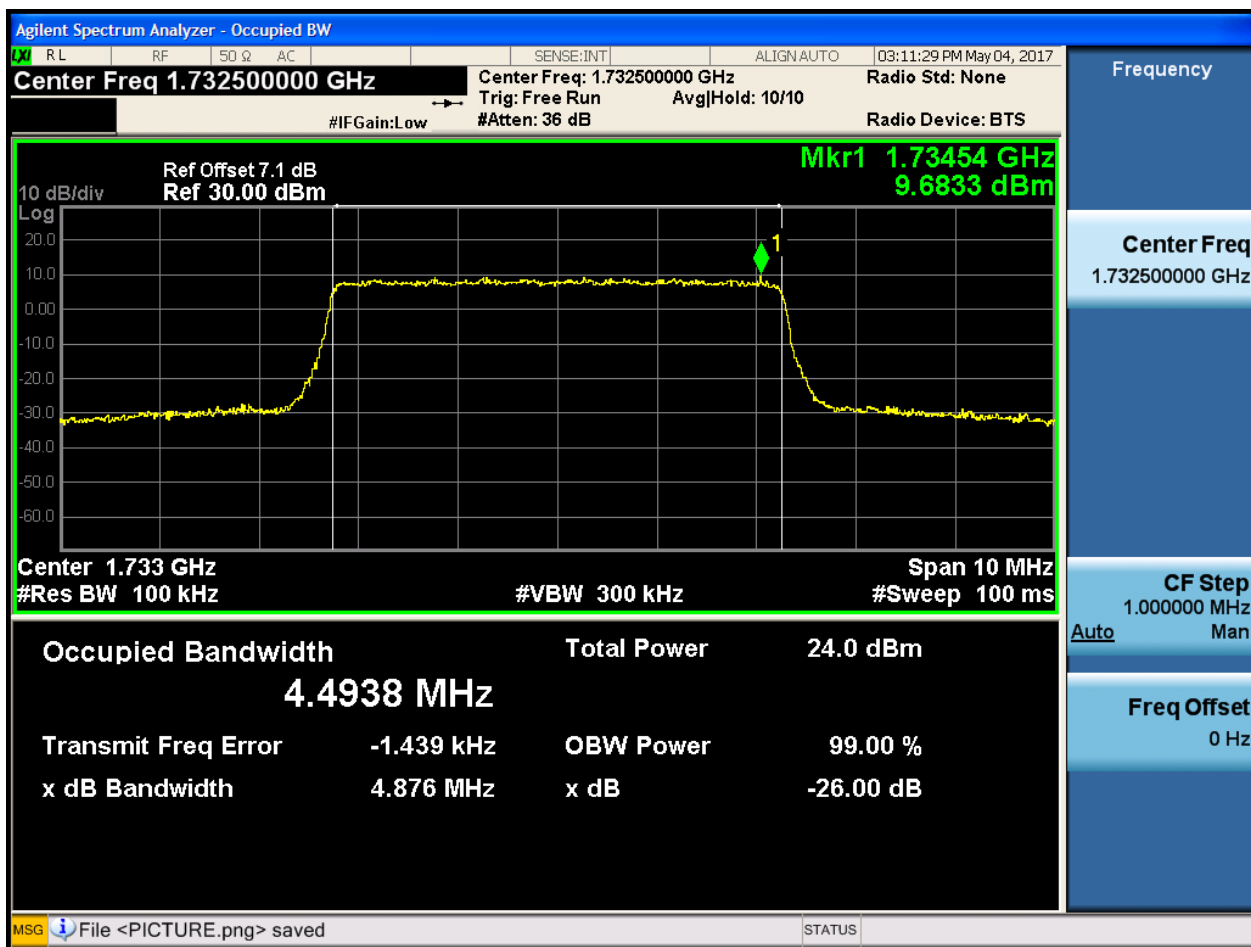
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

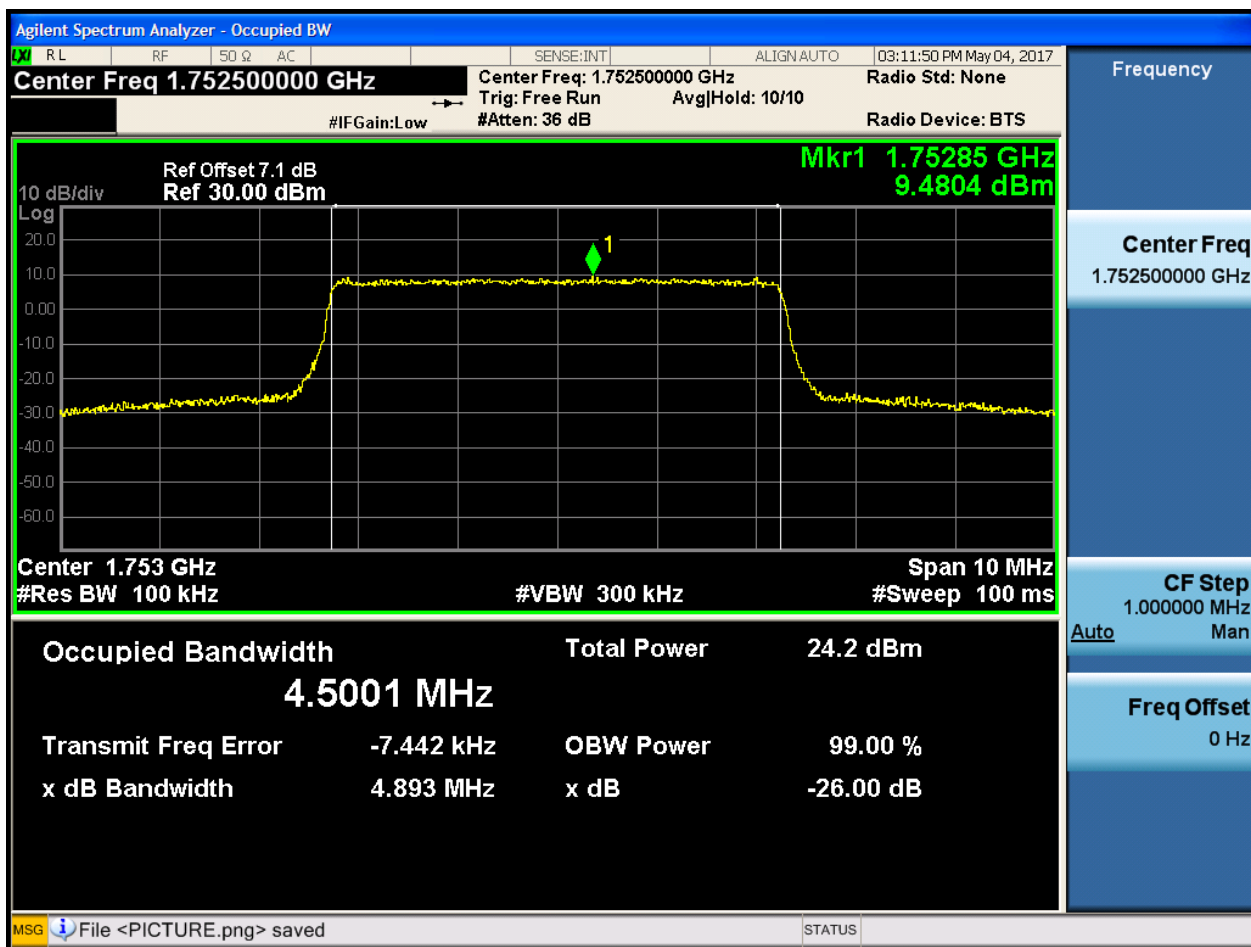
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

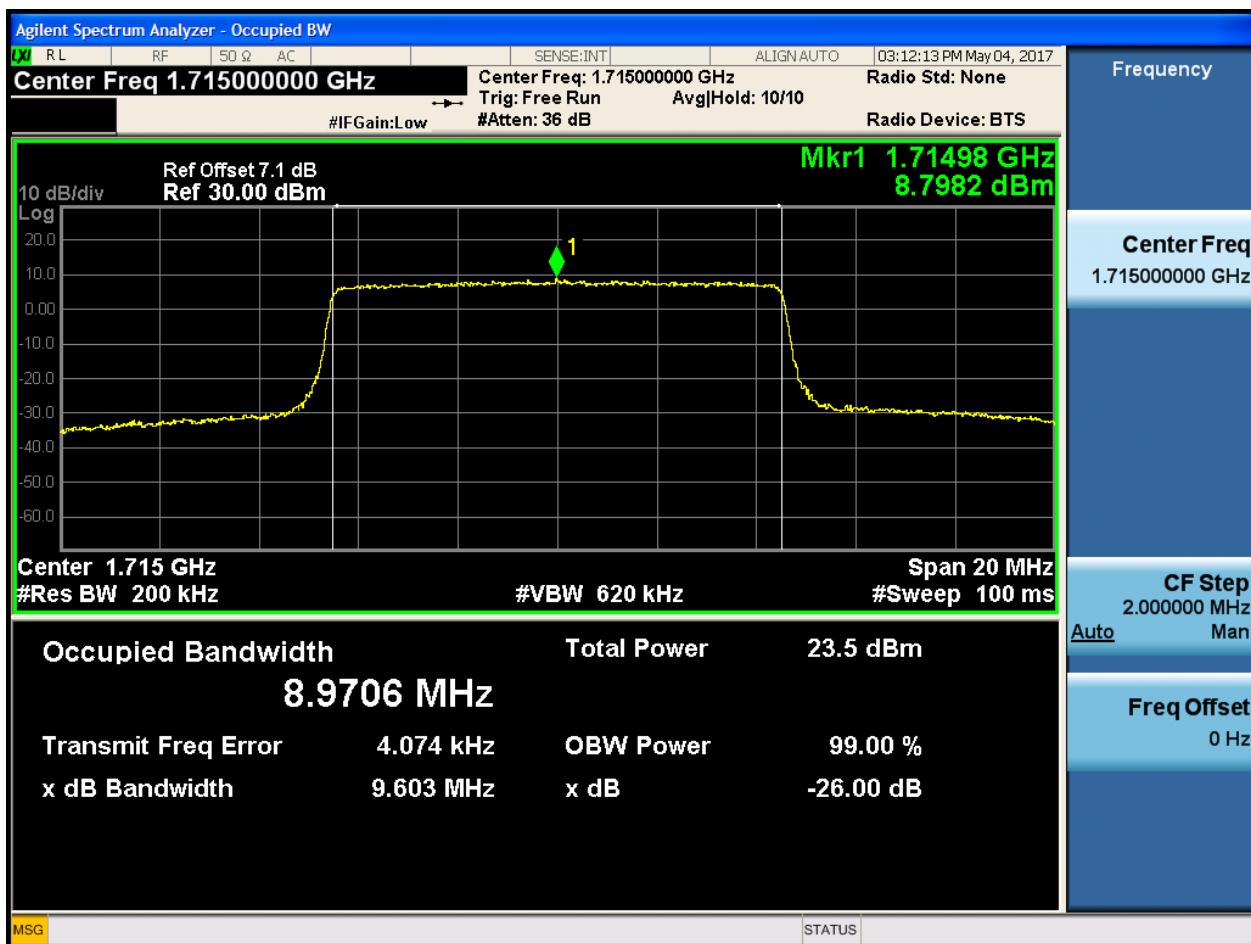




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

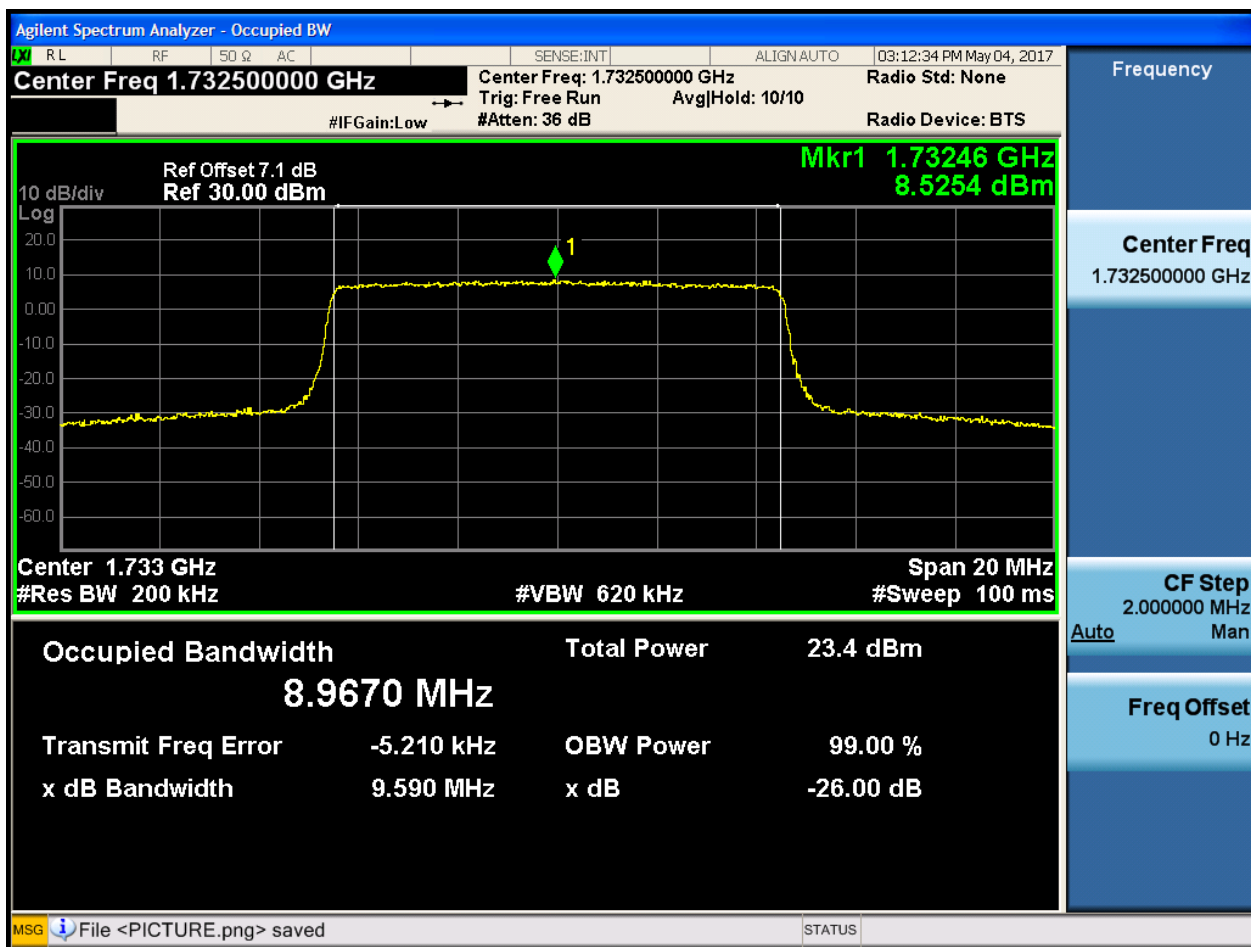
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

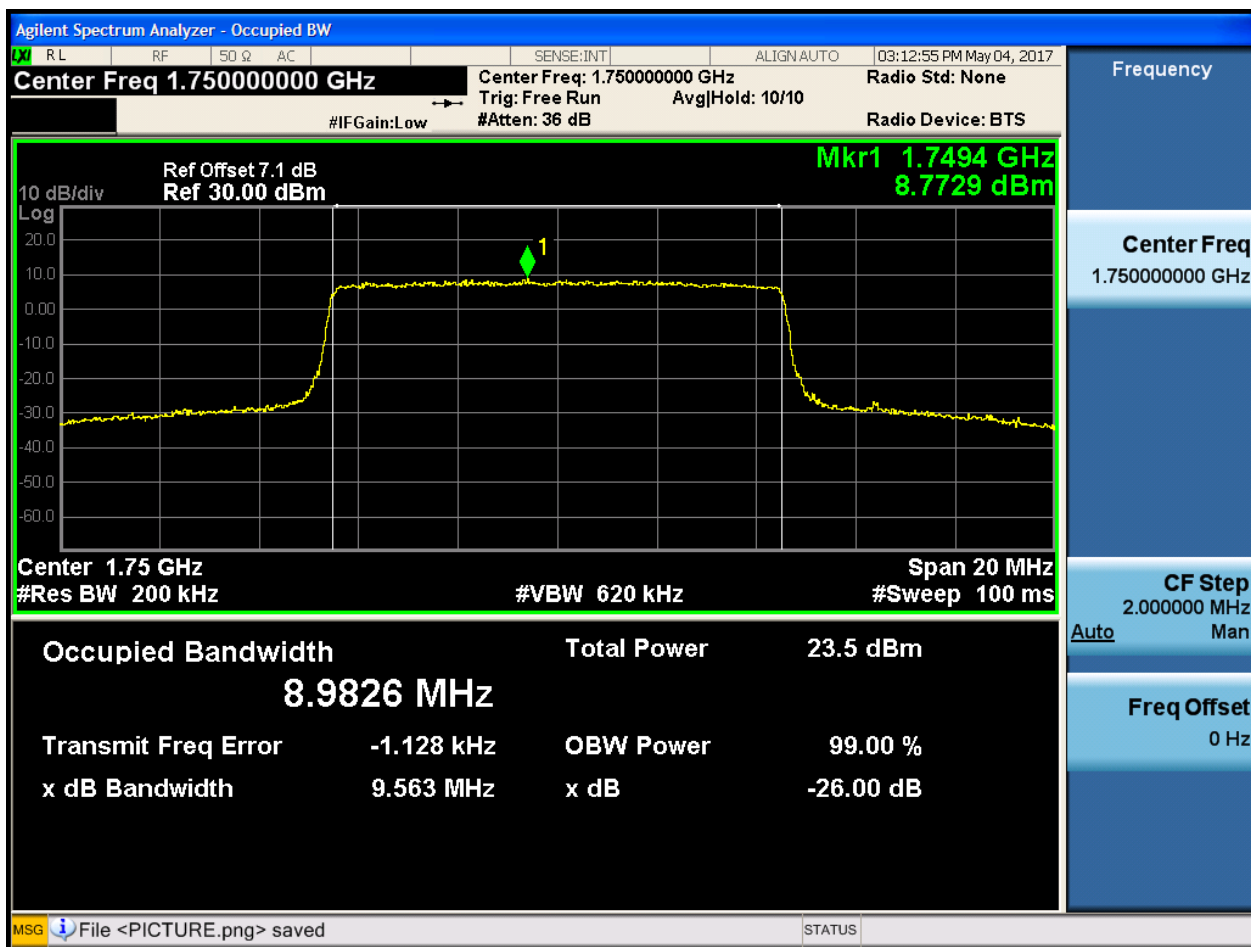
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

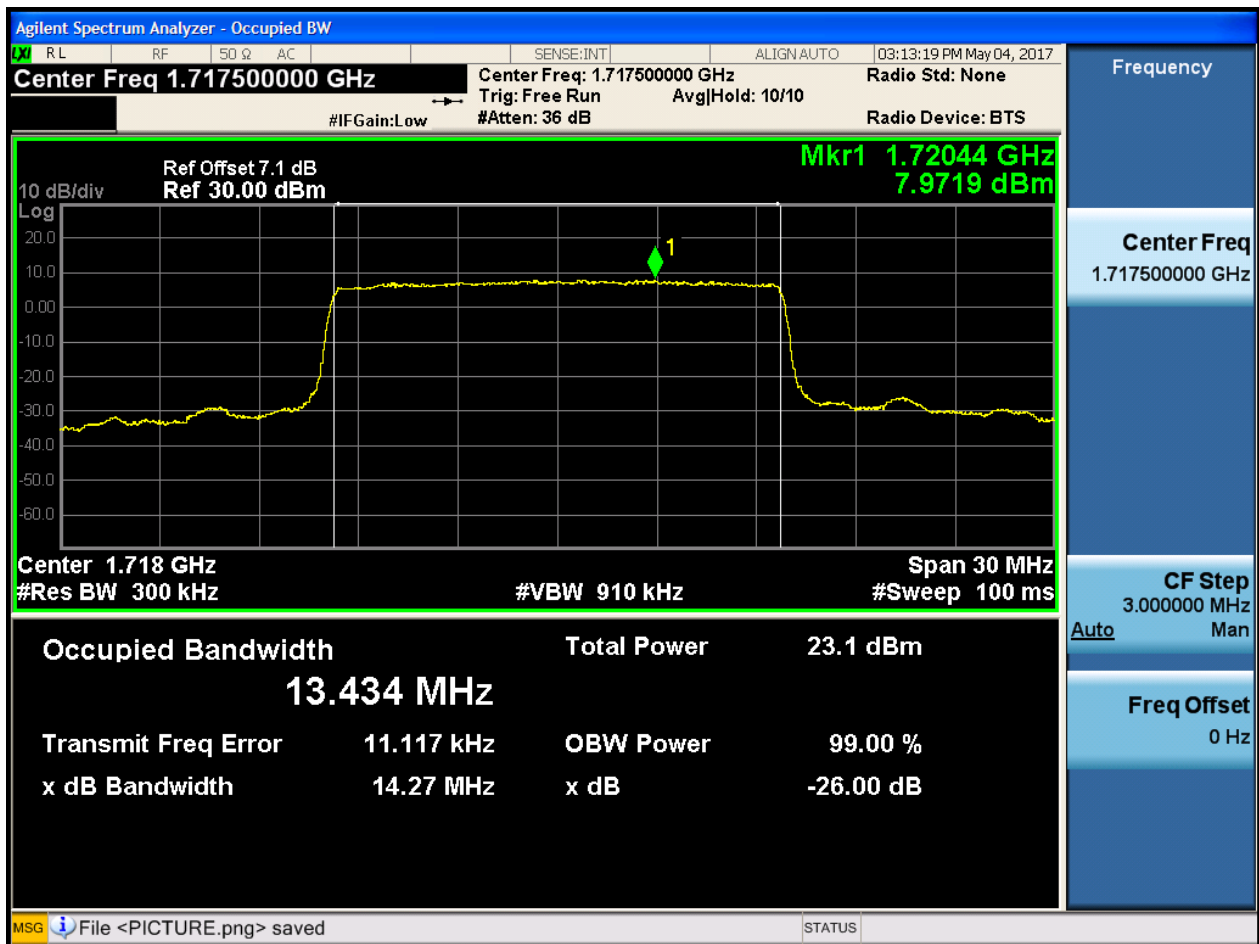




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

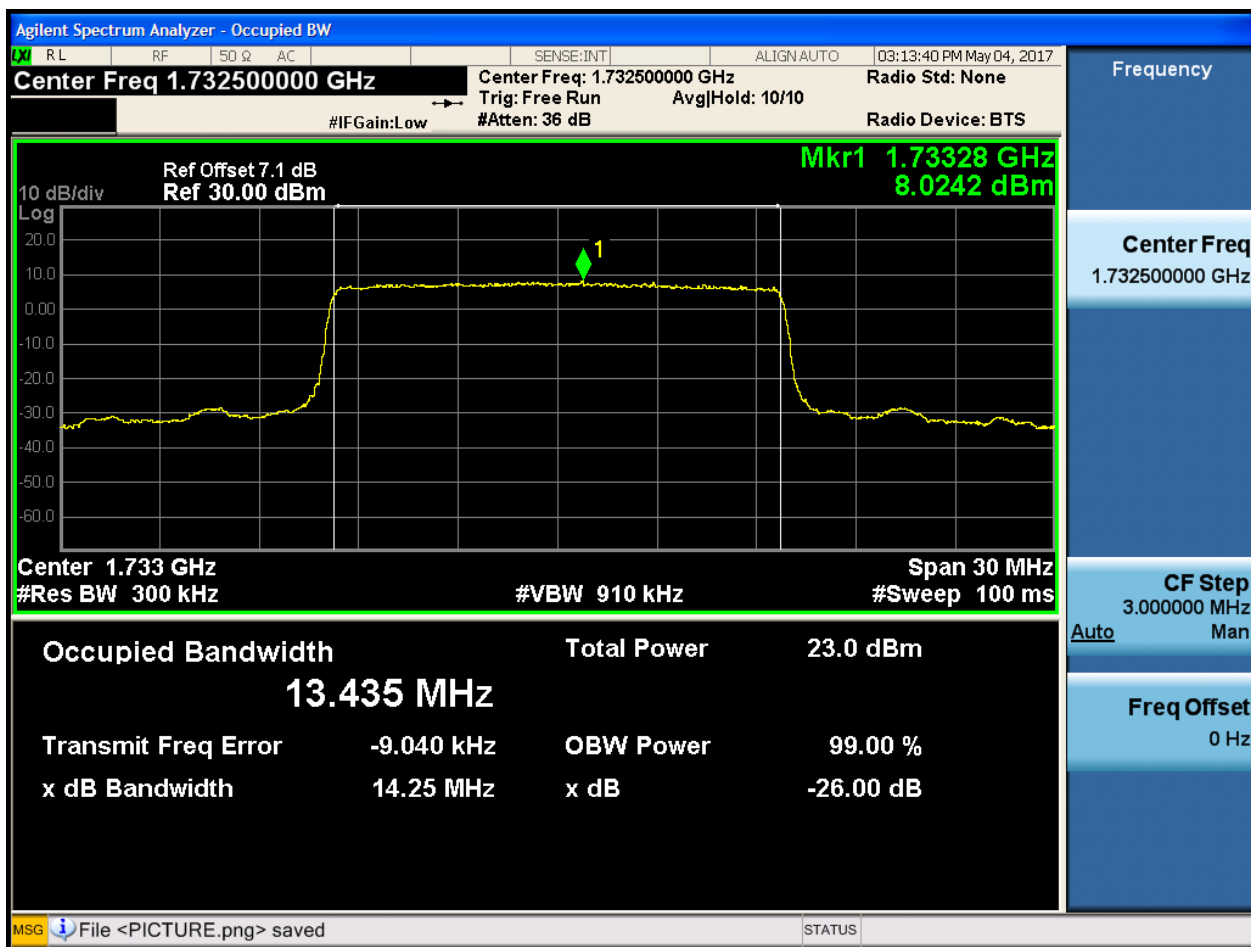
4.1.1.2.5.1.1 Test RB = RB75#0





4.1.1.2.5.2 Test Channel = MCH

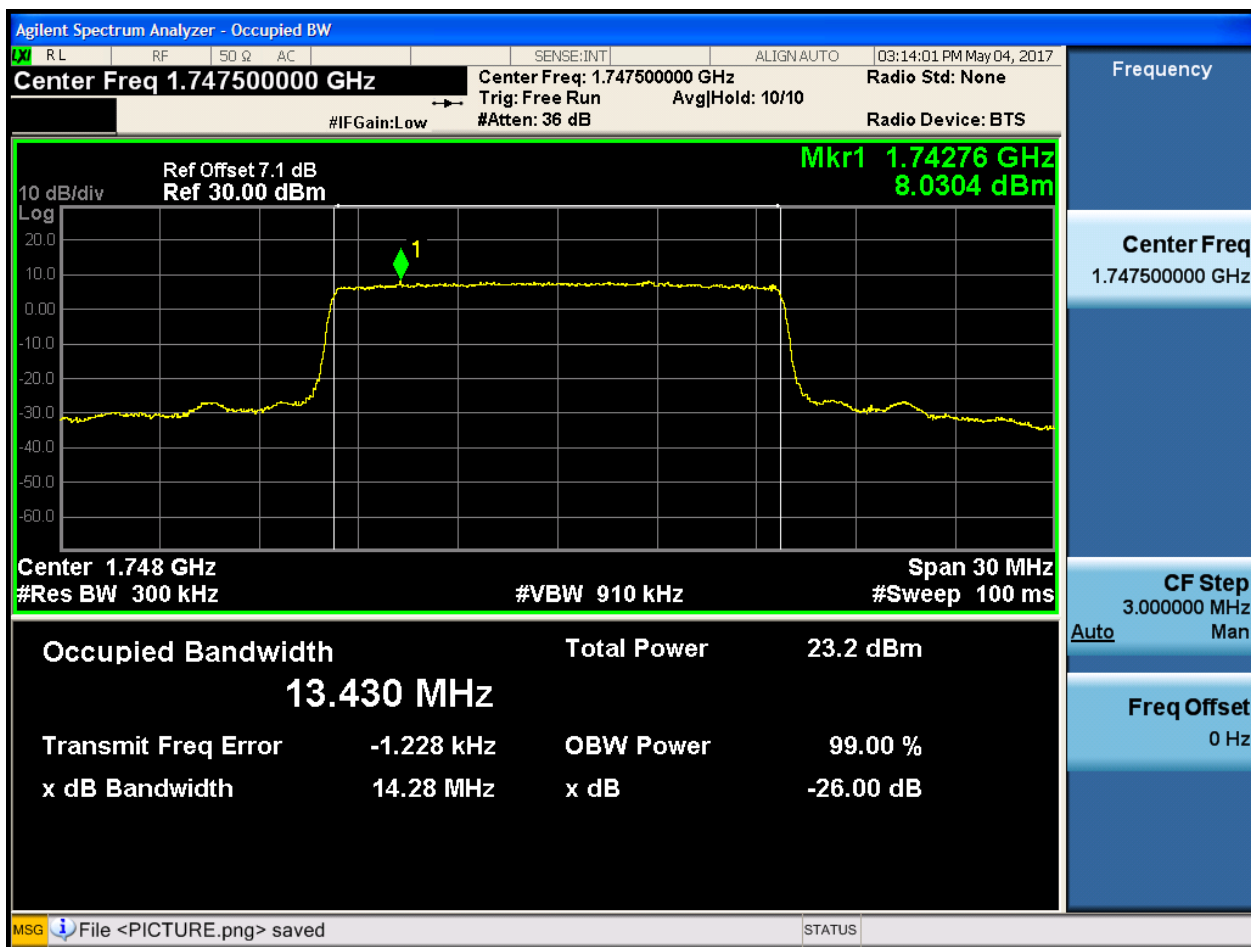
4.1.1.2.5.2.1 Test RB = RB75#0





4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0

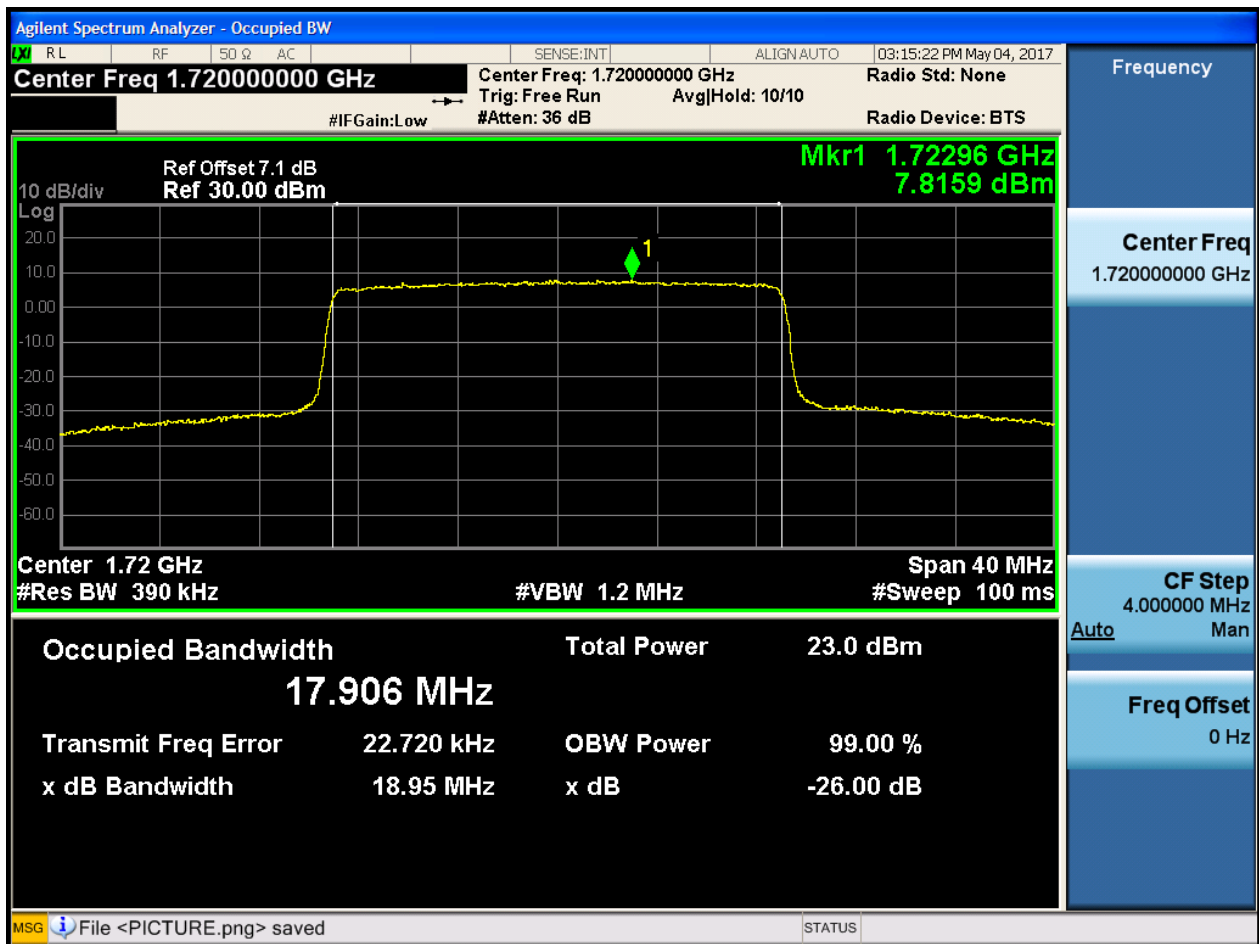




4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

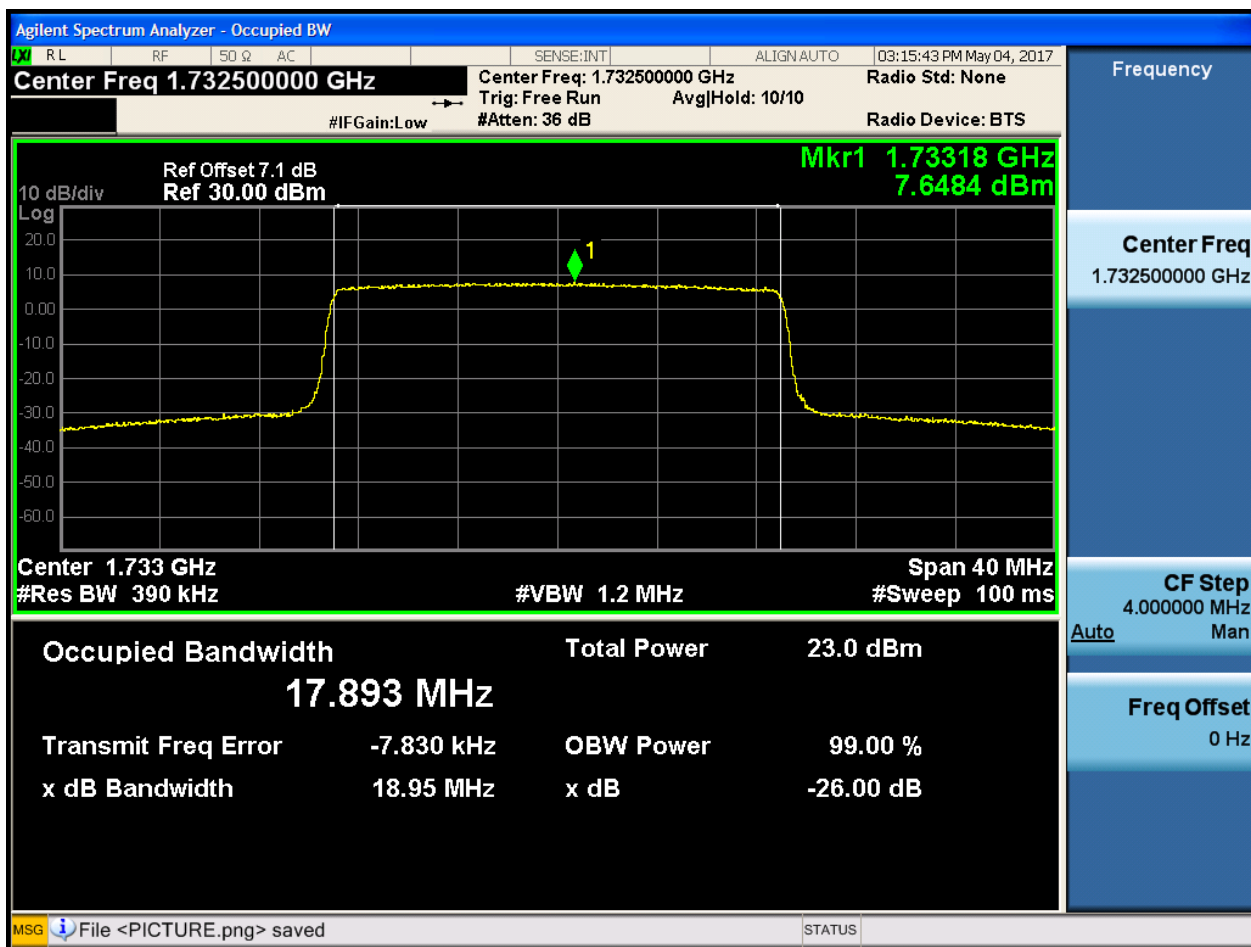
4.1.1.2.6.1.1 Test RB = RB100#0





4.1.1.2.6.2 Test Channel = MCH

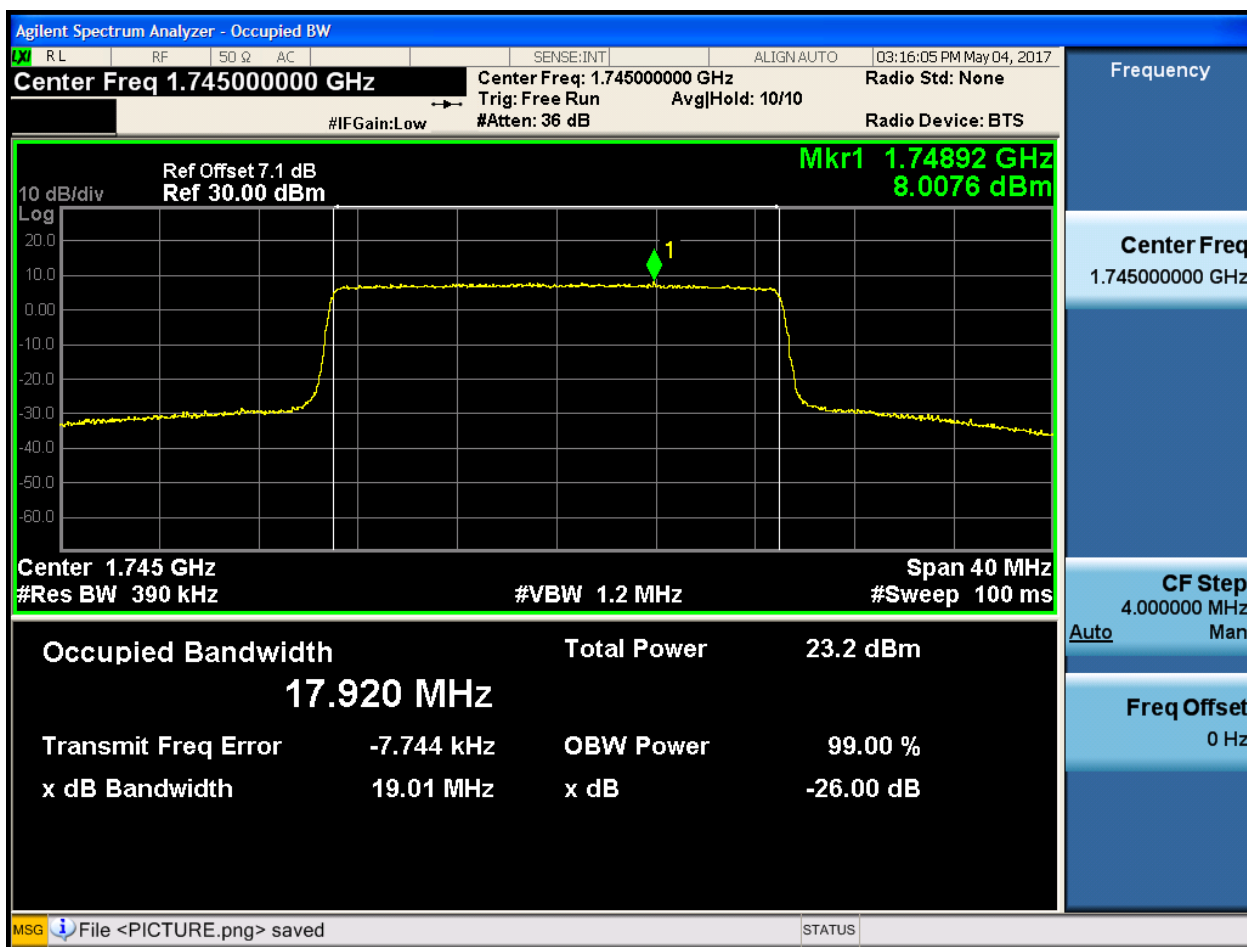
4.1.1.2.6.2.1 Test RB = RB100#0





4.1.1.2.6.3 Test Channel = HCH

4.1.1.2.6.3.1 Test RB = RB100#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

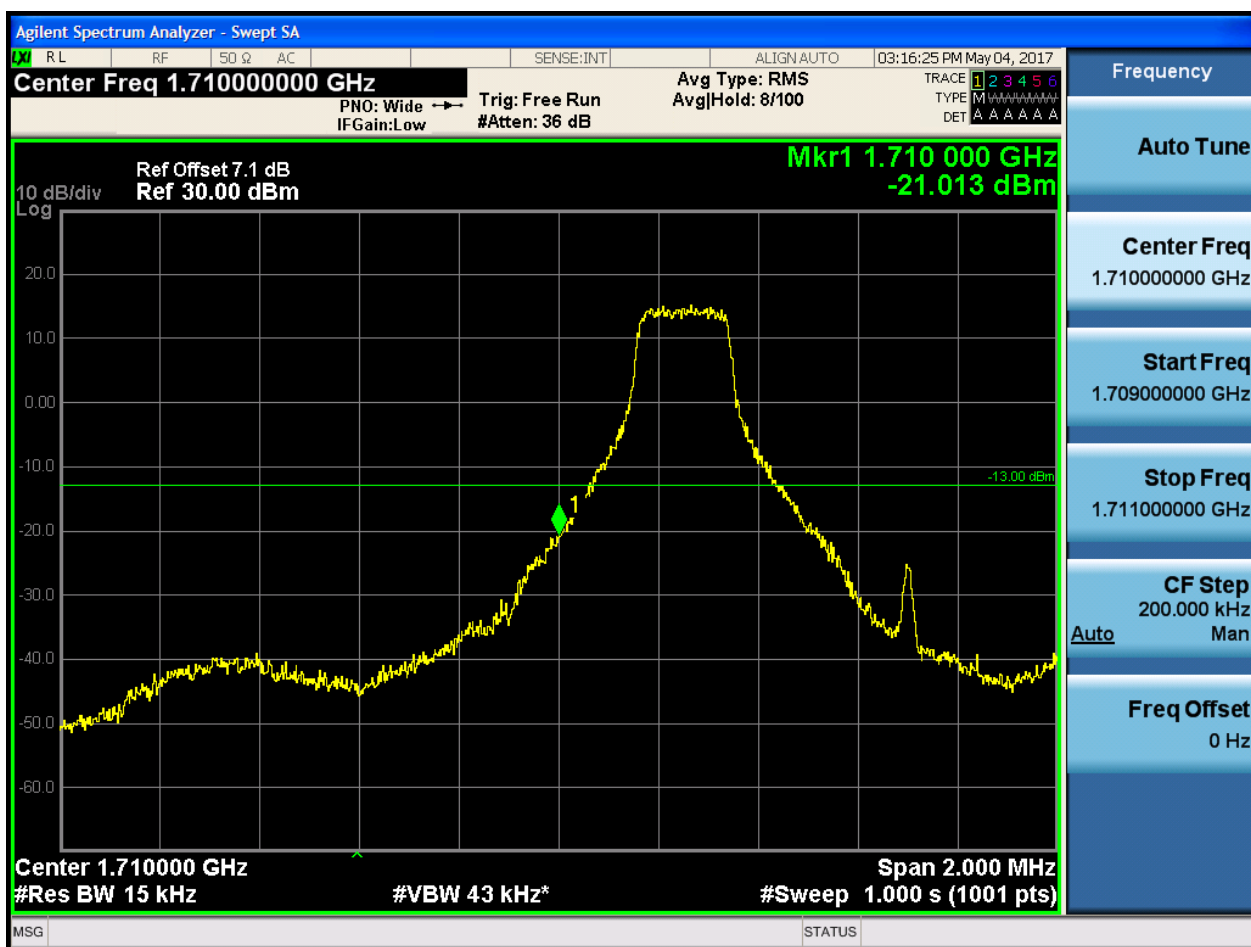
5.1.1 Test Band = BAND4

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#5





5.1.1.1.1.3 Test RB = RB3#2





5.1.1.1.1.4 Test RB = RB6#0



5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5



5.1.1.1.1.2.3 Test RB = RB3#2





5.1.1.1.2.4 Test RB = RB6#0

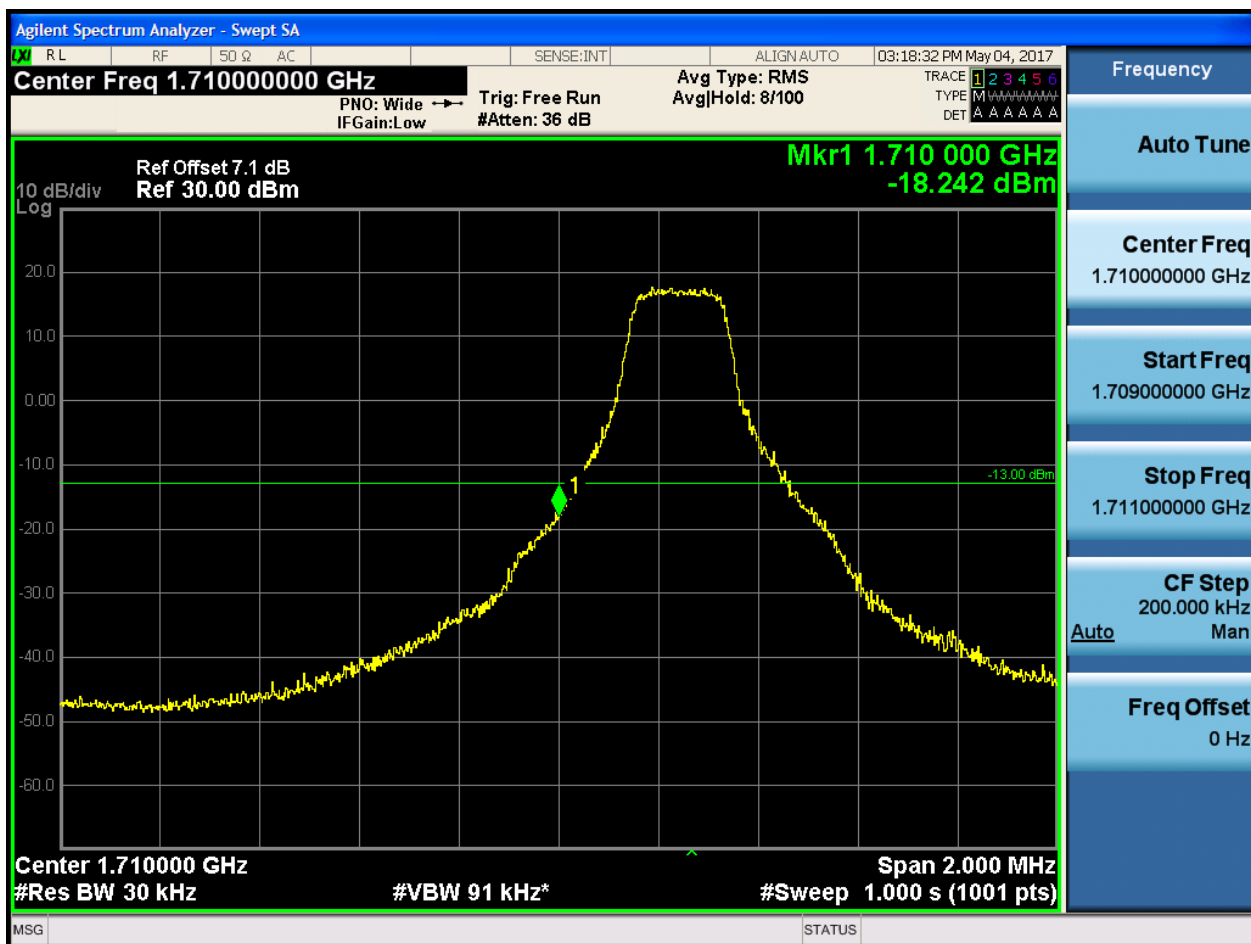


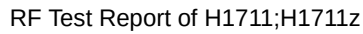


5.1.1.1.2 Test Bandwidth = 3

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.5.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:18:47 PM May 04, 2017

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide Trig: Free Run
IFGain:Low #Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A

10 dB/div Log
Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.709 010 GHz
-45.160 dBm

-13.00 dBm

Center 1.710000 GHz
#Res BW 30 kHz
#VBW 91 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

Center Freq
1.710000000 GHz

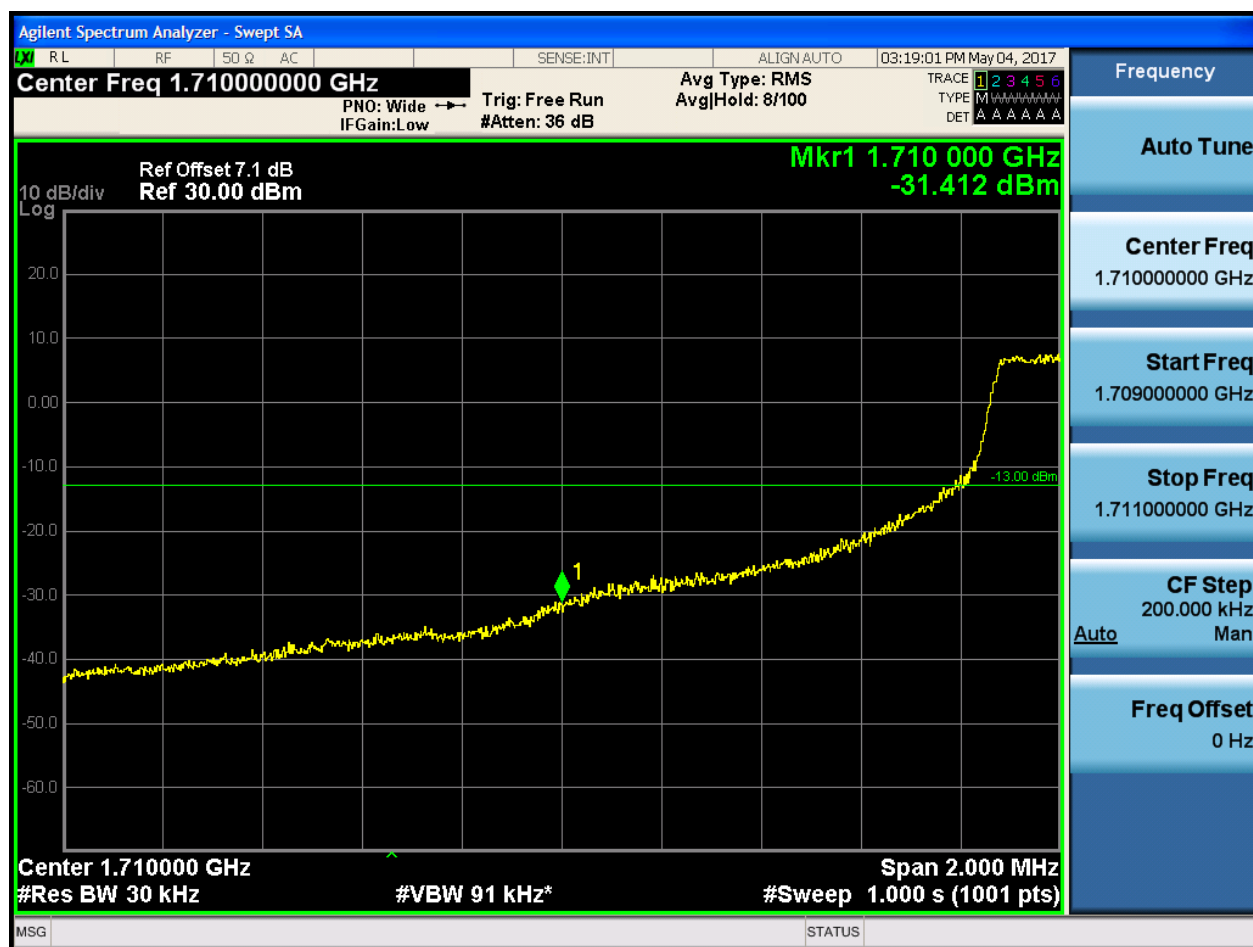
Start Freq
1.709000000 GHz

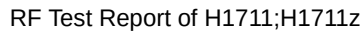
Stop Freq
1.711000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

5.1.1.1.2.1.3 Test RB = RB8#4





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:19:15 PM May 04, 2017

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.710 000 GHz
-26.113 dBm

10 dB/div
Log

-13.00 dBm

Center 1.710000 GHz Span 2.000 MHz
#Res BW 30 kHz #VBW 91 kHz* #Sweep 1.000 s (1001 pts)

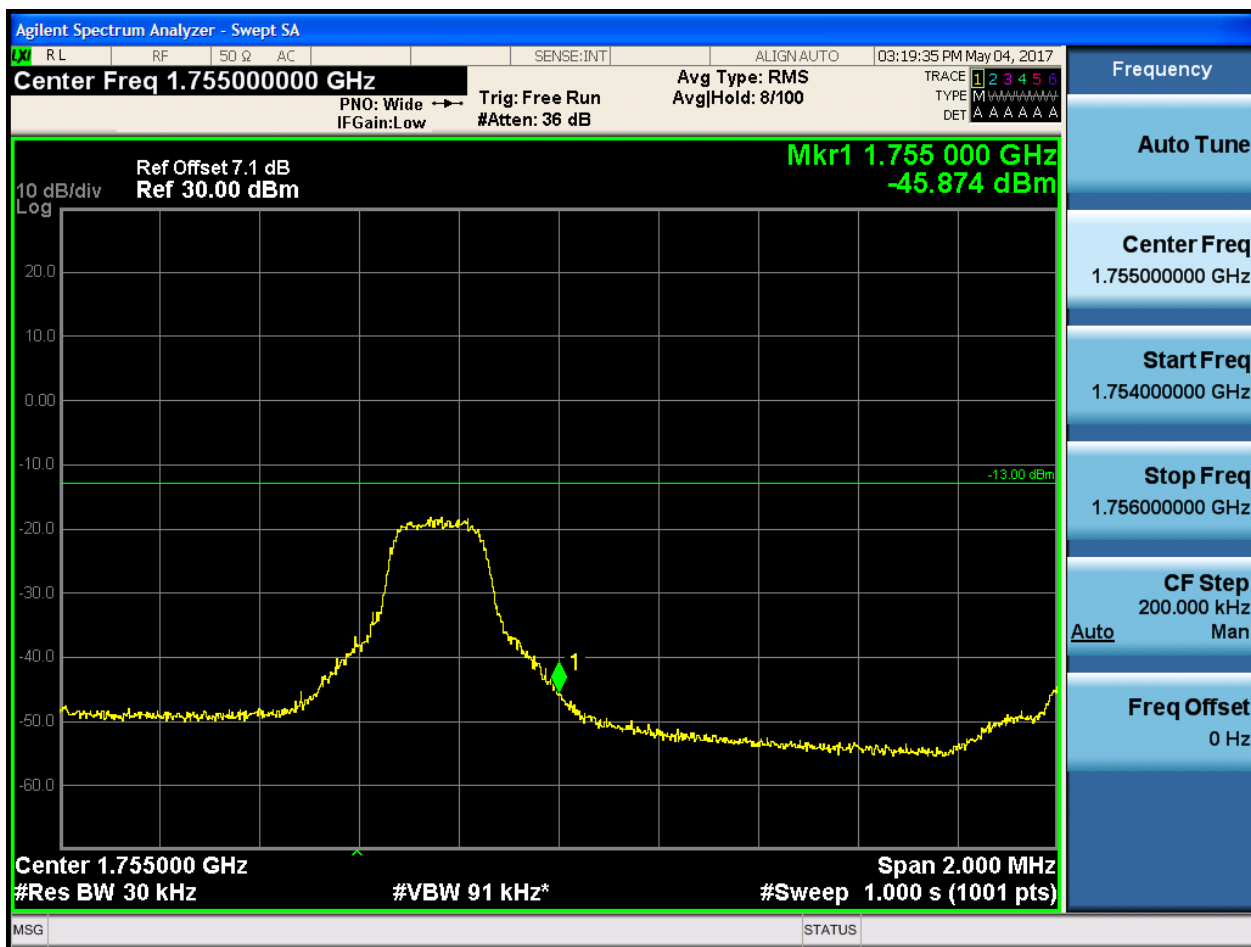
MSG STATUS

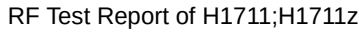
Frequency
Auto Tune
Center Freq 1.710000000 GHz
Start Freq 1.709000000 GHz
Stop Freq 1.711000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz



5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 03:19:49 PM May 04, 2017

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-15.517 dBm

10 dB/div
Log

Center 1.755000 GHz
#Res BW 30 kHz
#VBW 91 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

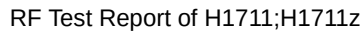
Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:20:03 PM May 04, 2017

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide → Trig: Free Run AvgHold: 8/100
IFGain:Low #Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 010 GHz
-26.890 dBm

10 dB/div
Log

-13.00 dBm

Center 1.755000 GHz Span 2.000 MHz
#Res BW 30 kHz #VBW 91 kHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



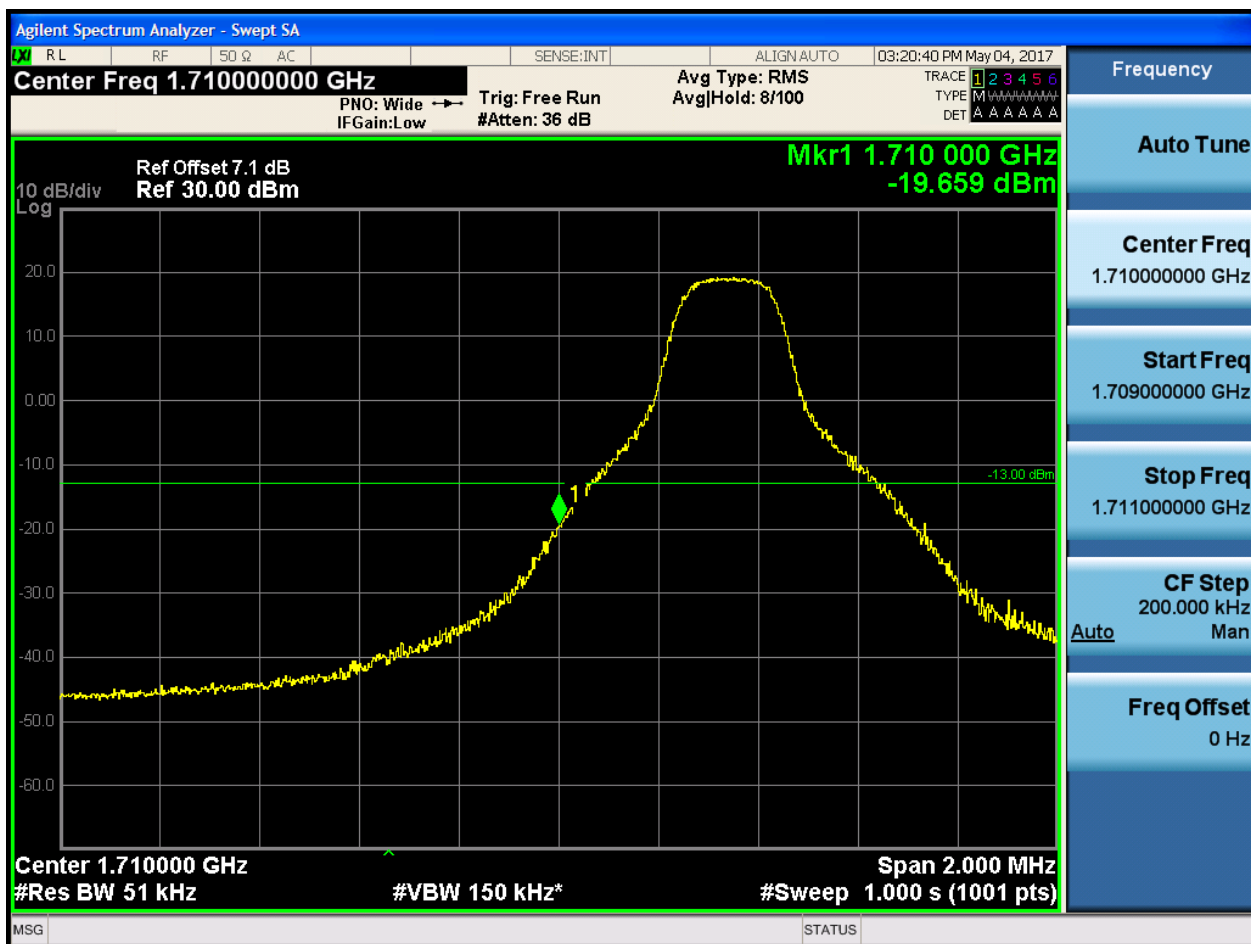
5.1.1.1.2.2.4 Test RB = RB15#0



5.1.1.1.3 Test Bandwidth = 5

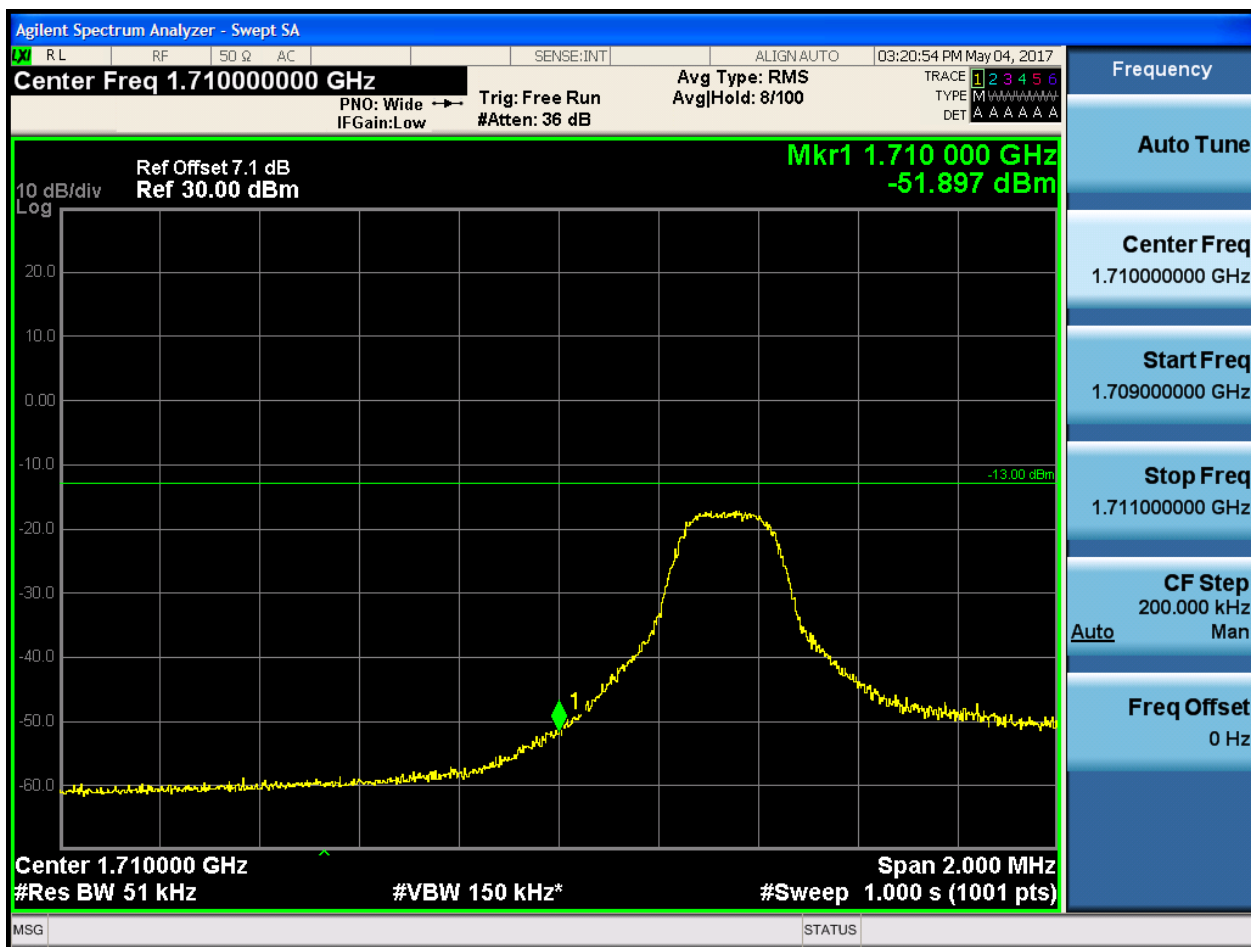
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





5.1.1.1.3.1.2 Test RB = RB1#24



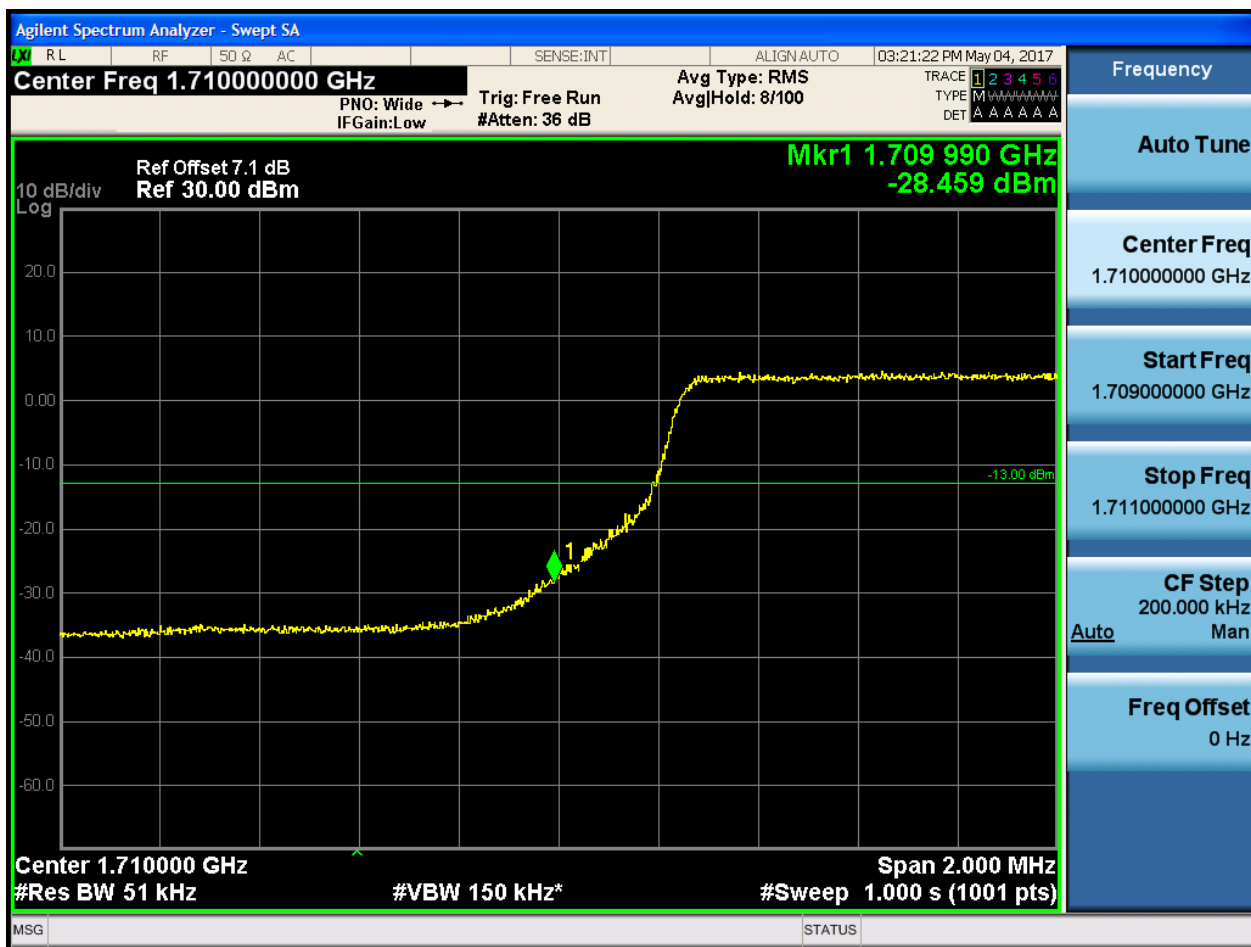


5.1.1.1.3.1.3 Test RB = RB12#6





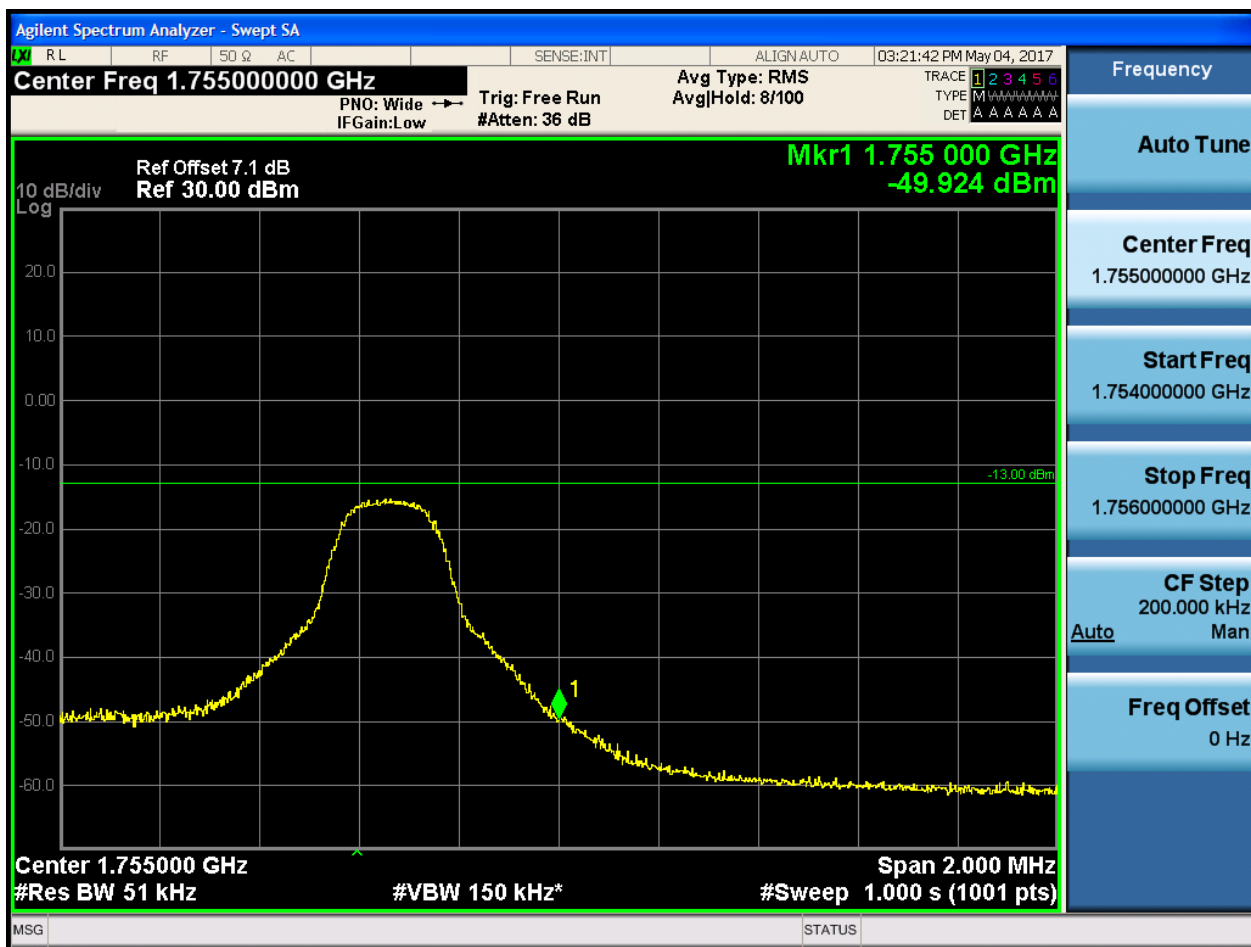
5.1.1.1.3.1.4 Test RB = RB25#0





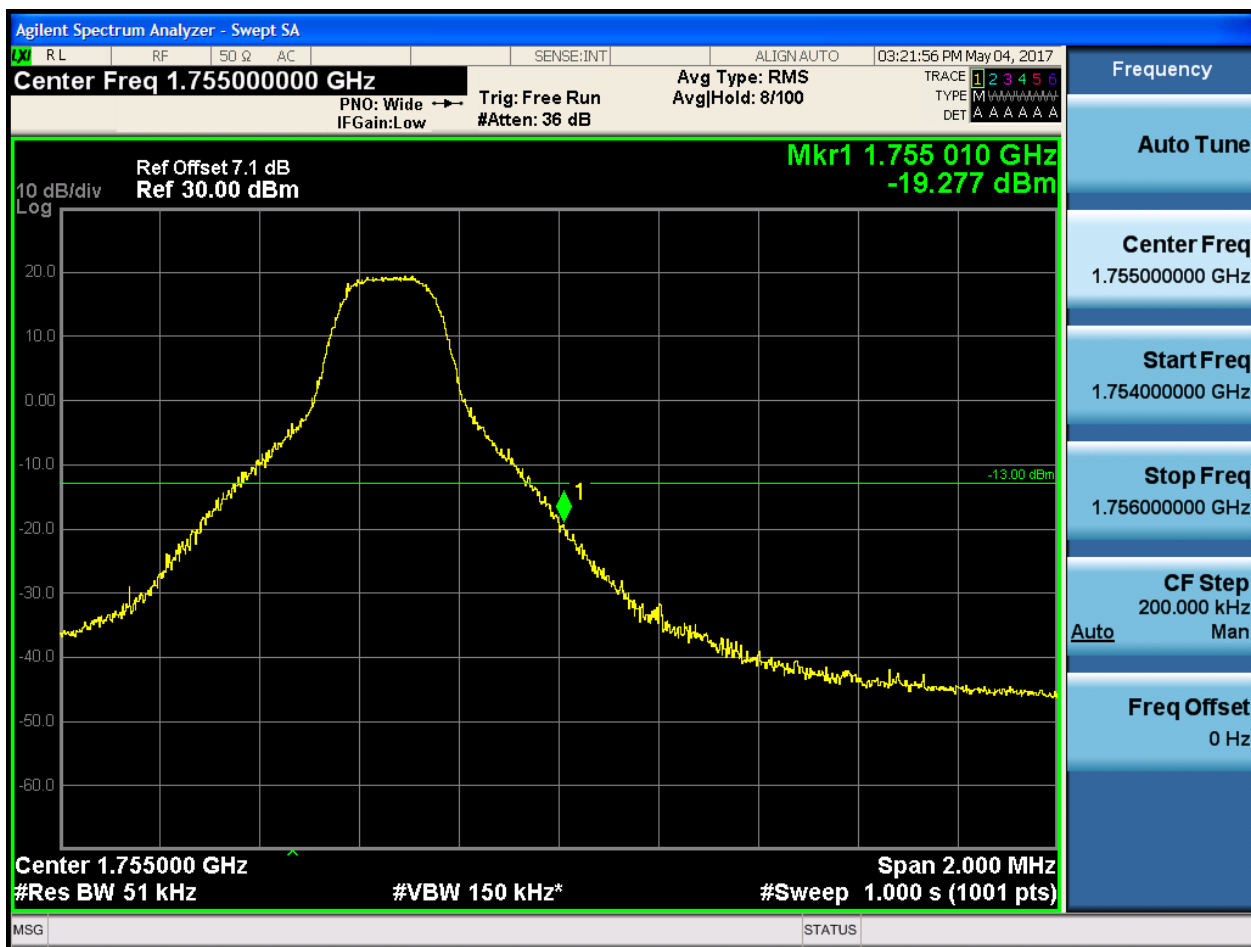
5.1.1.1.3.2 Test Channel = HCH

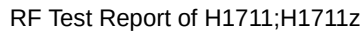
5.1.1.1.3.2.1 Test RB = RB1#0





5.1.1.1.3.2.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 010 GHz
-29.543 dBm

Center 1.755000 GHz
#Res BW 51 kHz
#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Auto Tune

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto

Freq Offset
0 Hz

Center Freq 1.755000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.755 010 GHz
-29.543 dBm

Center 1.755000 GHz
#Res BW 51 kHz
#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Auto Tune

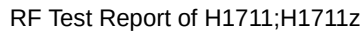
Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:22:25 PM May 04, 2017

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide Trig: Free Run
IFGain:Low #Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 020 GHz
-26.173 dBm

10 dB/div
Log

Center 1.755000 GHz Span 2.000 MHz
#Res BW 51 kHz #VBW 150 kHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto Man

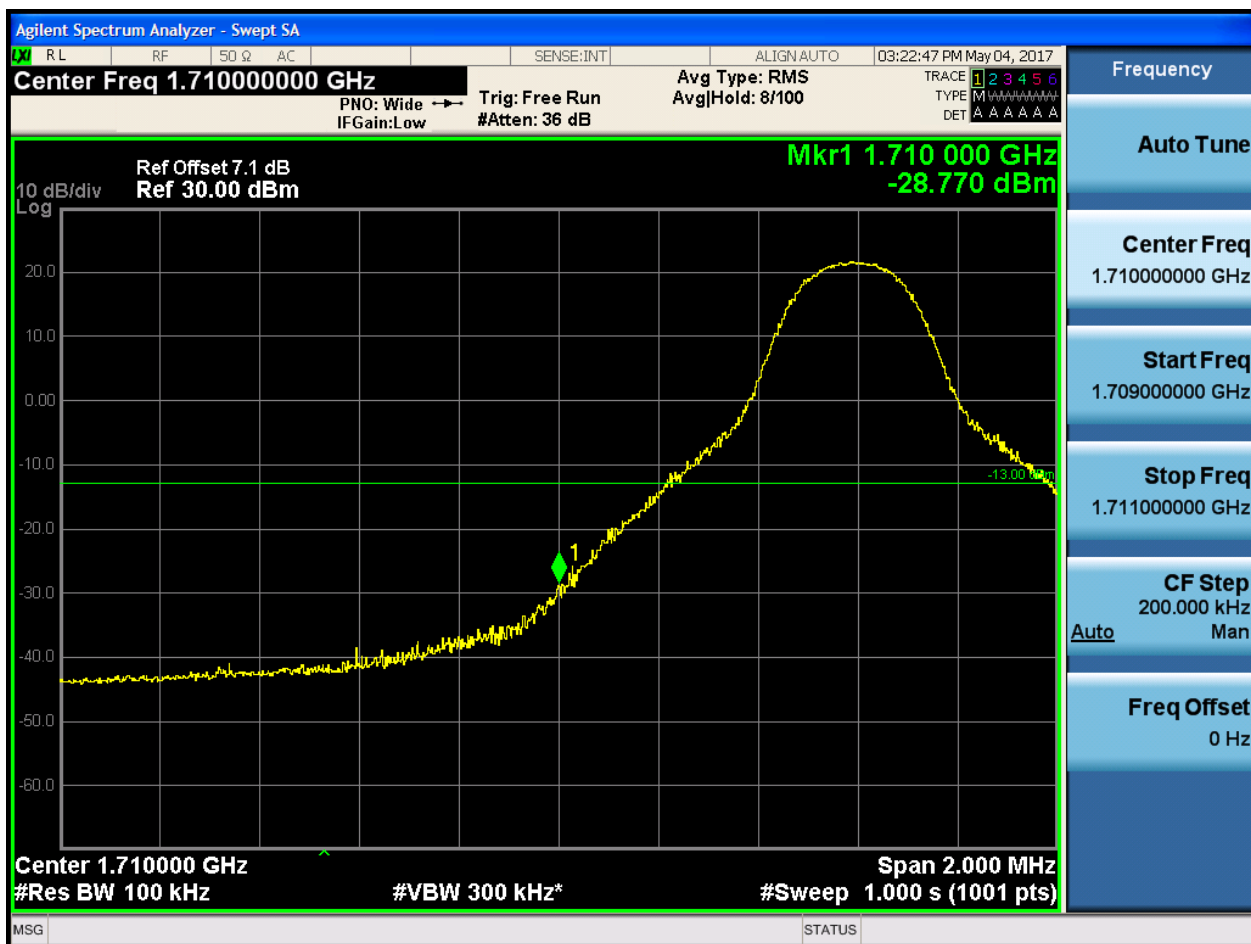
Freq Offset
0 Hz



5.1.1.1.4 Test Bandwidth = 10

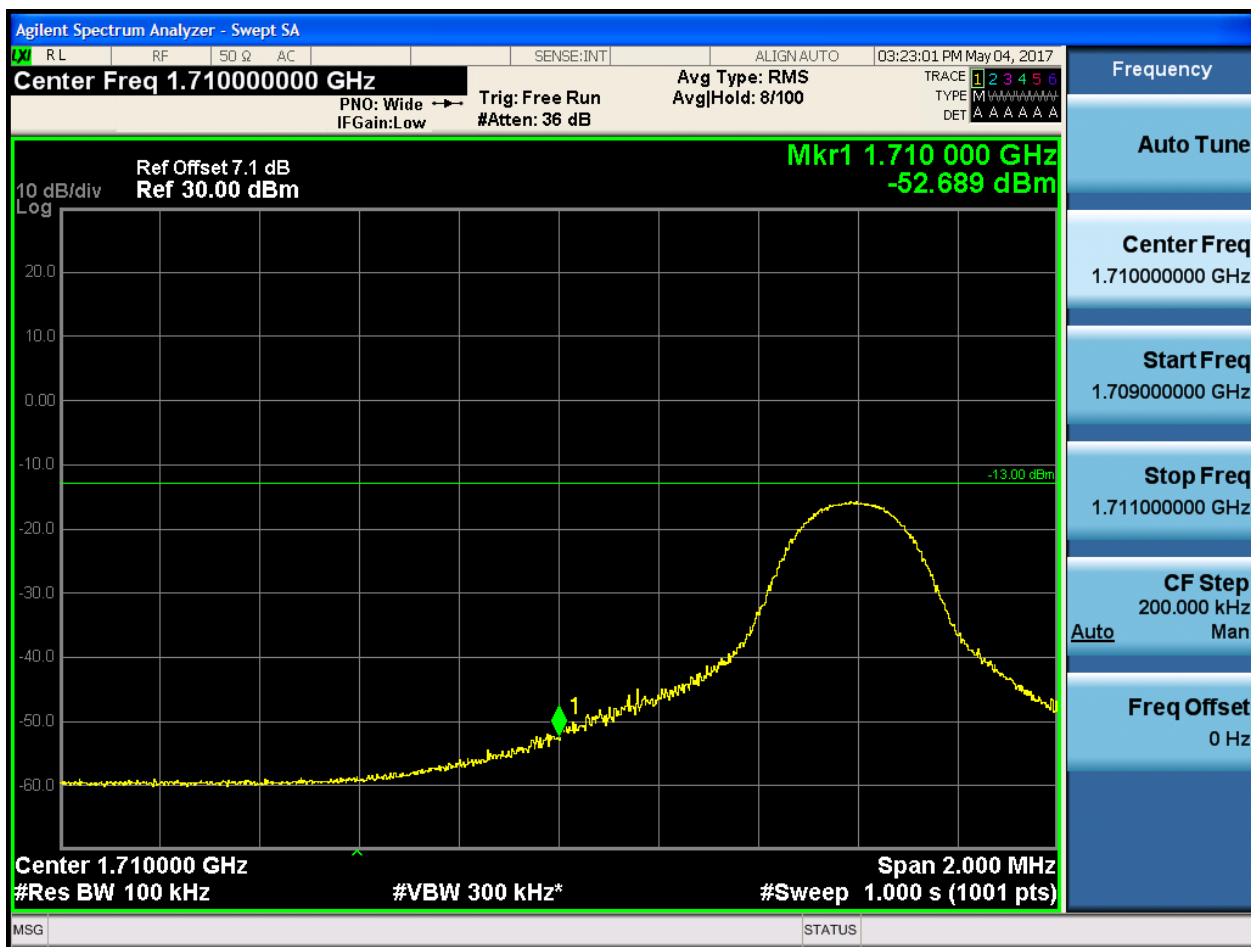
5.1.1.1.4.1 Test Channel = LCH

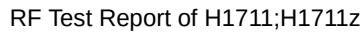
5.1.1.1.4.1.1 Test RB = RB1#0





5.1.1.1.4.1.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.710000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.709 930 GHz
-31.960 dBm

Center 1.710000 GHz
#Res BW 100 kHz
#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

Auto Tune

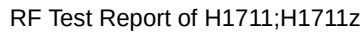
Center Freq
1.710000000 GHz

Start Freq
1.709000000 GHz

Stop Freq
1.711000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:23:30 PM May 04, 2017

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

**Mkr1 1.710 000 GHz
-30.211 dBm**

10 dB/div
Log

-13.00 dBm

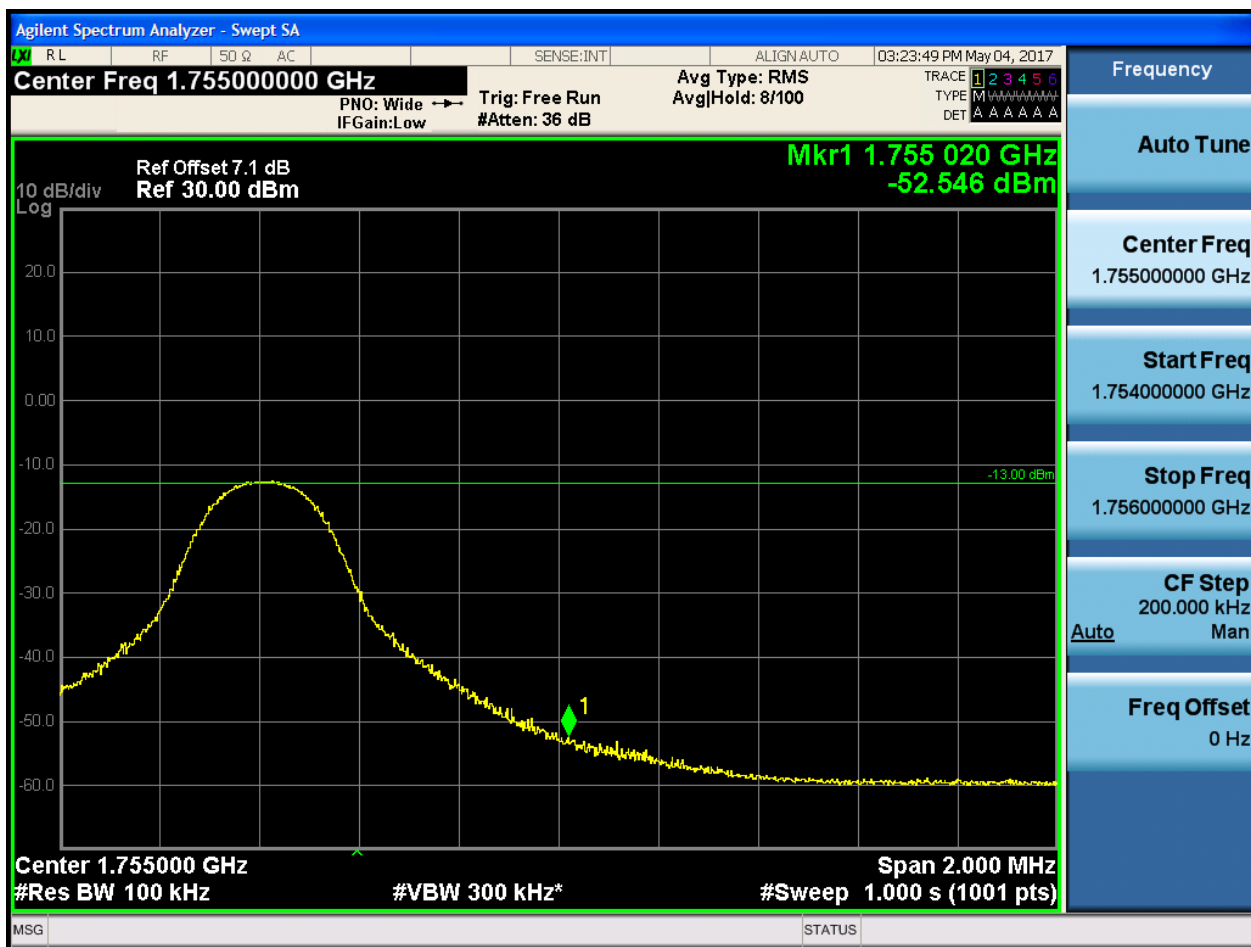
Center 1.710000 GHz
#Res BW 100 kHz
#VBW 300 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

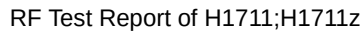
MSG STATUS

Frequency
Auto Tune
Center Freq 1.710000000 GHz
Start Freq 1.709000000 GHz
Stop Freq 1.711000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz

5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:24:04 PM May 04, 2017

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 020 GHz
-26.449 dBm

10 dB/div
Log

Center 1.755000 GHz Span 2.000 MHz
#Res BW 100 kHz #VBW 300 kHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

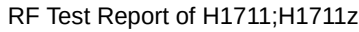
Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:24:18 PM May 04, 2017

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 010 GHz
-30.158 dBm

10 dB/div
Log

-13.00 dBm

Center 1.755000 GHz Span 2.000 MHz
#Res BW 100 kHz #VBW 300 kHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.1.4.2.4 Test RB = RB50#0

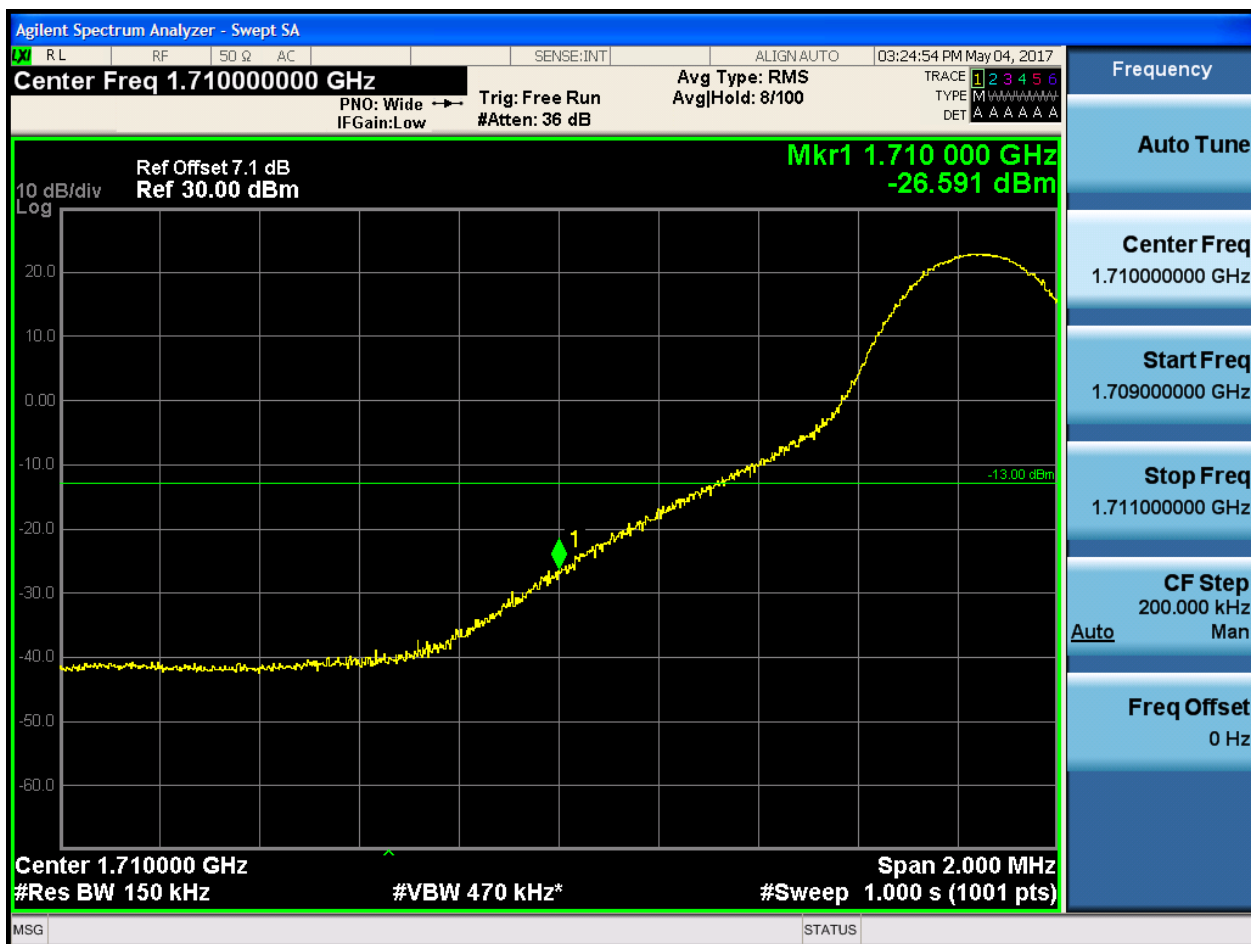




5.1.1.1.5 Test Bandwidth = 15

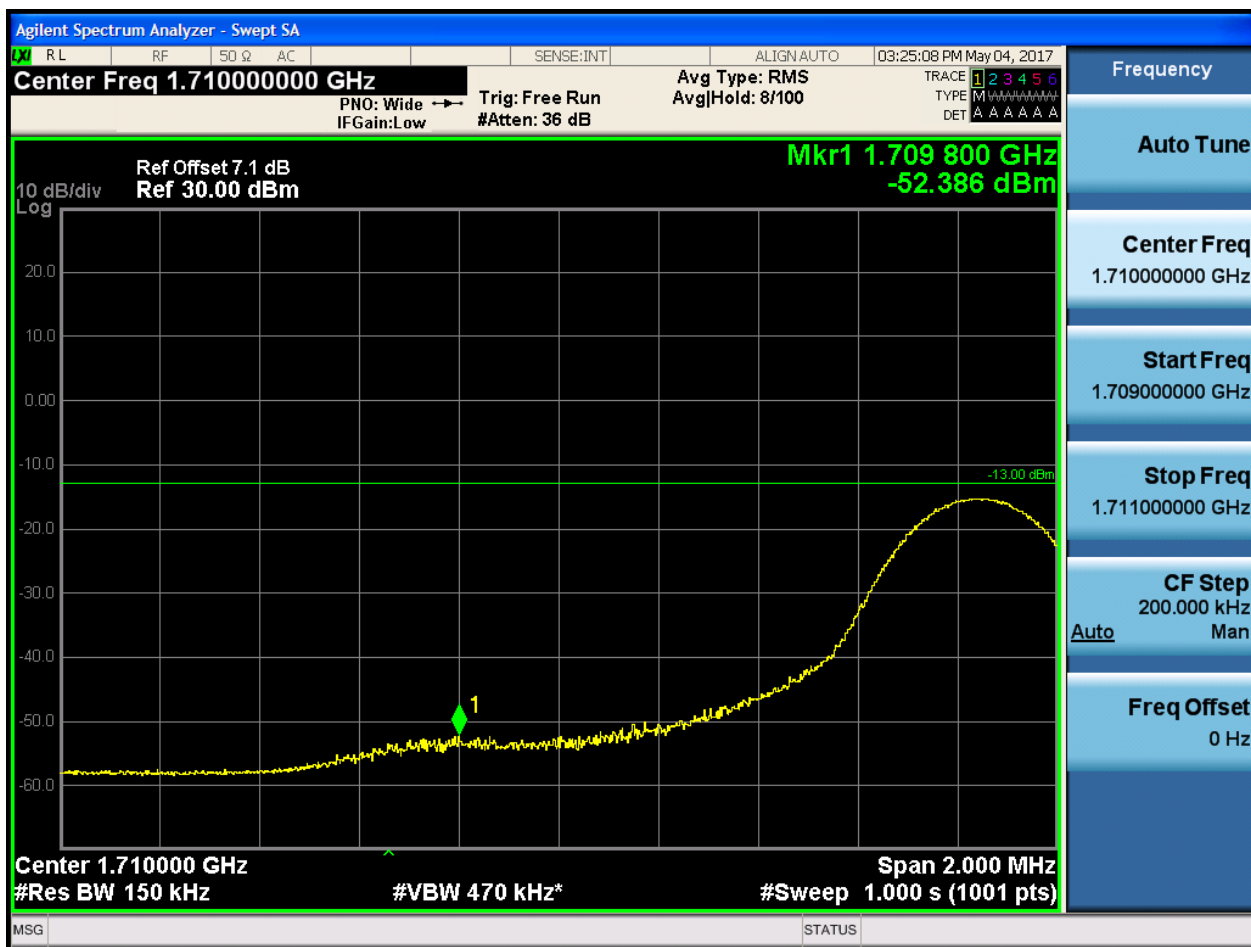
5.1.1.1.5.1 Test Channel = LCH

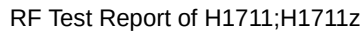
5.1.1.1.5.1.1 Test RB = RB1#0





5.1.1.1.5.1.2 Test RB = RB1#74





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.710000000 GHz

Ref Offset 7.1 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.709 990 GHz
-32.251 dBm

Center Freq 1.710000000 GHz

Start Freq 1.709000000 GHz

Stop Freq 1.711000000 GHz

CF Step 200.000 kHz
Auto

Freq Offset 0 Hz

Center 1.710000 GHz

#Res BW 150 kHz

#VBW 470 kHz*

Span 2.000 MHz

#Sweep 1.000 s (1001 pts)

The image shows a screenshot of an Agilent Spectrum Analyzer in a swept SA mode. The main display area shows a frequency spectrum with a center frequency of 1.710000000 GHz and a span of 2.000 MHz. The vertical axis represents power in dBm, ranging from -60.0 to 20.0 dBm, with a 10 dB/div scale. The horizontal axis represents frequency. A yellow trace shows the spectrum, which is relatively flat around -35 dBm. A green marker labeled '1' is placed on the trace at 1.709 990 GHz, indicating a power level of -32.251 dBm. The right sidebar contains several control buttons and readouts: 'Auto Tune', 'Center Freq' (1.710000000 GHz), 'Start Freq' (1.709000000 GHz), 'Stop Freq' (1.711000000 GHz), 'CF Step' (200.000 kHz, set to Auto), and 'Freq Offset' (0 Hz). The top status bar shows the center frequency, reference offset (7.1 dB), reference power (30.00 dBm), and other parameters like #Res BW (150 kHz), #VBW (470 kHz), and #Sweep (1.000 s). The bottom status bar shows the center frequency, resolution bandwidth, and span.



5.1.1.1.5.1.4 Test RB = RB75#0



5.1.1.1.5.2 Test Channel = HCH

5.1.1.1.5.2.1 Test RB = RB1#0





5.1.1.1.5.2.2 Test RB = RB1#74





5.1.1.1.5.2.3 Test RB = RB38#19





5.1.1.1.5.2.4 Test RB = RB75#0





5.1.1.1.6 Test Bandwidth = 20

5.1.1.1.6.1 Test Channel = LCH

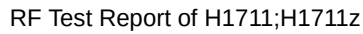
5.1.1.1.6.1.1 Test RB = RB1#0





5.1.1.1.6.1.2 Test RB = RB1#99





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.710000000 GHz

PNO: Wide → Trig: Free Run
IFGain: Low #Atten: 36 dB

Avg Type: RMS
AvgHold: 8/100

03:31:31 PM May 04, 2017

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET A A A A A A

Frequency

Auto Tune

Center Freq
1.710000000 GHz

Start Freq
1.709000000 GHz

Stop Freq
1.711000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

10 dB/div
Log

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.709 990 GHz
-32.330 dBm

-13.00 dBm

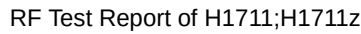
1

Center 1.710000 GHz
#Res BW 200 kHz

#VBW 620 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:31:45 PM May 04, 2017

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.710 000 GHz
-30.805 dBm

10 dB/div
Log

Center 1.710000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

5.1.1.1.6.2 Test Channel = HCH

5.1.1.1.6.2.1 Test RB = RB1#0





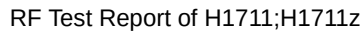
5.1.1.1.6.2.2 Test RB = RB1#99





5.1.1.1.6.2.3 Test RB = RB50#25





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:32:48 PM May 04, 2017

Center Freq 1.755000000 GHz Avg Type: RMS
PNO: Wide Trig: Free Run
IFGain:Low #Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET A A A A A A

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.755 000 GHz
-29.771 dBm

10 dB/div
Log

-13.00 dBm

1

Center 1.755000 GHz Span 2.000 MHz
#Res BW 200 kHz #VBW 620 kHz* #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
1.755000000 GHz

Start Freq
1.754000000 GHz

Stop Freq
1.756000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0





5.1.1.2.1.1.2 Test RB = RB1#5





5.1.1.2.1.1.3 Test RB = RB3#2





5.1.1.2.1.1.4 Test RB = RB6#0

