



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	21.48	19.13	30	PASS
				RB1#3	21.67	19.30	30	PASS
				RB1#5	21.52	19.14	30	PASS
				RB3#0	22.54	20.09	30	PASS
				RB3#2	22.53	20.16	30	PASS
				RB3#3	22.54	20.25	30	PASS
			MCH	RB6#0	21.53	19.12	30	PASS
				RB1#0	21.66	19.38	30	PASS
				RB1#3	21.91	19.74	30	PASS
				RB1#5	21.64	19.18	30	PASS
				RB3#0	22.75	20.44	30	PASS
				RB3#2	22.85	20.65	30	PASS
				RB3#3	22.76	20.47	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.87	19.55	30	PASS
			HCH	RB1#0	21.59	19.31	30	PASS
				RB1#3	21.77	19.52	30	PASS
				RB1#5	21.6	19.23	30	PASS
				RB3#0	22.65	20.42	30	PASS
				RB3#2	22.64	20.19	30	PASS
				RB3#3	22.69	20.40	30	PASS
				RB6#0	21.63	19.47	30	PASS
		3	LCH	RB1#0	21.48	19.13	30	PASS
				RB1#7	21.65	19.38	30	PASS
				RB1#14	21.56	19.25	30	PASS
				RB8#0	21.54	19.12	30	PASS
				RB8#4	21.61	19.21	30	PASS
				RB8#7	21.56	19.37	30	PASS
				RB15#0	21.56	19.24	30	PASS
			MCH	RB1#0	21.73	19.49	30	PASS
				RB1#7	21.88	19.64	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	21.76	19.30	30	PASS
				RB8#0	21.85	19.64	30	PASS
				RB8#4	21.85	19.54	30	PASS
				RB8#7	21.82	19.39	30	PASS
				RB15#0	21.76	19.37	30	PASS
			HCH	RB1#0	21.67	19.37	30	PASS
				RB1#7	21.82	19.61	30	PASS
				RB1#14	21.63	19.38	30	PASS
				RB8#0	21.64	19.38	30	PASS
				RB8#4	21.63	19.26	30	PASS
				RB8#7	21.59	19.23	30	PASS
				RB15#0	21.62	19.17	30	PASS
		5	LCH	RB1#0	21.5	19.05	30	PASS
				RB1#13	21.71	19.34	30	PASS
				RB1#24	21.53	19.25	30	PASS
				RB12#0	21.5	19.09	30	PASS
				RB12#6	21.59	19.36	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#13	21.49	19.31	30	PASS
				RB25#0	21.55	19.26	30	PASS
			MCH	RB1#0	21.73	19.49	30	PASS
				RB1#13	21.86	19.64	30	PASS
				RB1#24	21.8	19.43	30	PASS
				RB12#0	21.75	19.46	30	PASS
				RB12#6	21.84	19.44	30	PASS
				RB12#13	21.69	19.52	30	PASS
				RB25#0	21.76	19.42	30	PASS
			HCH	RB1#0	21.61	19.37	30	PASS
				RB1#13	21.65	19.41	30	PASS
				RB1#24	21.55	19.33	30	PASS
				RB12#0	21.64	19.42	30	PASS
				RB12#6	21.67	19.28	30	PASS
				RB12#13	21.53	19.18	30	PASS
				RB25#0	21.6	19.34	30	PASS
		10	LCH	RB1#0	21.5	19.27	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	21.65	19.28	30	PASS
				RB1#49	21.62	19.30	30	PASS
				RB25#0	21.58	19.28	30	PASS
				RB25#13	21.65	19.22	30	PASS
				RB25#25	21.68	19.46	30	PASS
				RB50#0	21.63	19.28	30	PASS
			MCH	RB1#0	21.74	19.34	30	PASS
				RB1#25	21.98	19.77	30	PASS
				RB1#49	21.79	19.44	30	PASS
				RB25#0	21.83	19.61	30	PASS
				RB25#13	21.81	19.43	30	PASS
				RB25#25	21.72	19.27	30	PASS
				RB50#0	21.8	19.46	30	PASS
			HCH	RB1#0	21.74	19.34	30	PASS
				RB1#25	21.87	19.57	30	PASS
				RB1#49	21.55	19.13	30	PASS
				RB25#0	21.55	19.12	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.55	19.28	30	PASS
				RB25#25	21.46	19.25	30	PASS
				RB50#0	21.52	19.35	30	PASS
		15	LCH	RB1#0	21.4	19.06	30	PASS
				RB1#38	21.6	19.18	30	PASS
				RB1#74	21.68	19.50	30	PASS
				RB38#0	21.58	19.40	30	PASS
				RB38#19	21.66	19.42	30	PASS
				RB38#39	21.76	19.40	30	PASS
				RB75#0	21.54	19.21	30	PASS
			MCH	RB1#0	21.7	19.43	30	PASS
				RB1#38	21.69	19.47	30	PASS
				RB1#74	21.51	19.16	30	PASS
				RB38#0	21.64	19.19	30	PASS
				RB38#19	21.71	19.41	30	PASS
				RB38#39	21.54	19.17	30	PASS
				RB75#0	21.58	19.40	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	21.74	19.28	30	PASS
				RB1#38	21.79	19.55	30	PASS
				RB1#74	21.45	19.22	30	PASS
				RB38#0	21.81	19.52	30	PASS
				RB38#19	21.8	19.57	30	PASS
				RB38#39	21.73	19.27	30	PASS
				RB75#0	21.81	19.48	30	PASS
		20	LCH	RB1#0	21.1	18.83	30	PASS
				RB1#50	21.61	19.28	30	PASS
				RB1#99	21.33	18.96	30	PASS
				RB50#0	21.29	18.95	30	PASS
				RB50#25	21.46	19.05	30	PASS
				RB50#50	21.59	19.36	30	PASS
				RB100#0	21.47	19.24	30	PASS
			MCH	RB1#0	21.37	18.91	30	PASS
				RB1#50	21.96	19.52	30	PASS
				RB1#99	21.34	18.92	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.63	19.36	30	PASS
				RB50#25	21.62	19.40	30	PASS
				RB50#50	21.46	19.03	30	PASS
				RB100#0	21.52	19.34	30	PASS
			HCH	RB1#0	21.49	19.17	30	PASS
				RB1#50	21.64	19.31	30	PASS
				RB1#99	21.16	18.89	30	PASS
				RB50#0	21.74	19.47	30	PASS
				RB50#25	21.55	19.18	30	PASS
				RB50#50	21.53	19.08	30	PASS
				RB100#0	21.61	19.38	30	PASS
	LTE/TM2	1.4	LCH	RB1#0	20.59	18.21	30	PASS
				RB1#3	20.84	18.50	30	PASS
				RB1#5	20.68	18.31	30	PASS
				RB3#0	21.57	19.15	30	PASS
				RB3#2	21.58	19.17	30	PASS
				RB3#3	21.57	19.24	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	20.44	18.22	30	PASS
			MCH	RB1#0	20.7	18.40	30	PASS
				RB1#3	20.95	18.57	30	PASS
				RB1#5	20.75	18.32	30	PASS
				RB3#0	21.72	19.41	30	PASS
				RB3#2	21.73	19.27	30	PASS
				RB3#3	21.73	19.49	30	PASS
				RB6#0	20.62	18.23	30	PASS
			HCH	RB1#0	20.66	18.44	30	PASS
				RB1#3	20.84	18.57	30	PASS
				RB1#5	20.67	18.49	30	PASS
				RB3#0	21.42	19.14	30	PASS
				RB3#2	21.47	19.09	30	PASS
				RB3#3	21.51	19.34	30	PASS
				RB6#0	20.43	18.11	30	PASS
		3	LCH	RB1#0	20.95	18.63	30	PASS
				RB1#7	21.09	18.63	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	20.97	18.57	30	PASS
				RB8#0	20.69	18.37	30	PASS
				RB8#4	20.72	18.33	30	PASS
				RB8#7	20.69	18.36	30	PASS
				RB15#0	20.65	18.21	30	PASS
			MCH	RB1#0	20.99	18.68	30	PASS
				RB1#7	21.11	18.82	30	PASS
				RB1#14	20.99	18.57	30	PASS
				RB8#0	20.96	18.51	30	PASS
				RB8#4	20.94	18.48	30	PASS
				RB8#7	20.9	18.65	30	PASS
				RB15#0	20.88	18.44	30	PASS
			HCH	RB1#0	20.82	18.52	30	PASS
				RB1#7	20.91	18.71	30	PASS
				RB1#14	20.66	18.25	30	PASS
				RB8#0	20.69	18.38	30	PASS
				RB8#4	20.71	18.38	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#7	20.64	18.43	30	PASS
				RB15#0	20.64	18.45	30	PASS
		5	LCH	RB1#0	20.77	18.32	30	PASS
				RB1#13	20.85	18.66	30	PASS
				RB1#24	20.74	18.34	30	PASS
				RB12#0	20.55	18.29	30	PASS
				RB12#6	20.65	18.22	30	PASS
				RB12#13	20.61	18.41	30	PASS
				RB25#0	20.56	18.19	30	PASS
			MCH	RB1#0	20.79	18.62	30	PASS
				RB1#13	20.87	18.59	30	PASS
				RB1#24	20.74	18.45	30	PASS
				RB12#0	20.72	18.46	30	PASS
				RB12#6	20.84	18.45	30	PASS
				RB12#13	20.7	18.44	30	PASS
				RB25#0	20.76	18.31	30	PASS
			HCH	RB1#0	21.15	18.70	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	21.18	18.78	30	PASS
				RB1#24	21.09	18.88	30	PASS
				RB12#0	20.69	18.37	30	PASS
				RB12#6	20.71	18.28	30	PASS
				RB12#13	20.62	18.30	30	PASS
				RB25#0	20.64	18.33	30	PASS
		10	LCH	RB1#0	20.89	18.72	30	PASS
				RB1#25	21.16	18.81	30	PASS
				RB1#49	21.06	18.82	30	PASS
				RB25#0	20.59	18.28	30	PASS
				RB25#13	20.66	18.29	30	PASS
				RB25#25	20.66	18.43	30	PASS
				RB50#0	20.66	18.43	30	PASS
			MCH	RB1#0	20.96	18.64	30	PASS
				RB1#25	21.2	18.76	30	PASS
				RB1#49	21	18.68	30	PASS
				RB25#0	20.59	18.15	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	20.6	18.14	30	PASS
				RB25#25	20.51	18.30	30	PASS
				RB50#0	20.61	18.35	30	PASS
			HCH	RB1#0	20.8	18.62	30	PASS
				RB1#25	20.77	18.52	30	PASS
				RB1#49	20.6	18.26	30	PASS
				RB25#0	20.64	18.31	30	PASS
				RB25#13	20.63	18.26	30	PASS
				RB25#25	20.54	18.10	30	PASS
				RB50#0	20.55	18.18	30	PASS
		15	LCH	RB1#0	20.85	18.61	30	PASS
				RB1#38	20.96	18.61	30	PASS
				RB1#74	21.02	18.74	30	PASS
				RB38#0	20.55	18.33	30	PASS
				RB38#19	20.69	18.52	30	PASS
				RB38#39	20.54	18.14	30	PASS
				RB75#0	20.48	18.29	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	20.78	18.45	30	PASS
				RB1#38	20.93	18.66	30	PASS
				RB1#74	20.84	18.59	30	PASS
				RB38#0	20.78	18.61	30	PASS
				RB38#19	20.8	18.37	30	PASS
				RB38#39	20.73	18.41	30	PASS
				RB75#0	20.79	18.34	30	PASS
			HCH	RB1#0	20.81	18.62	30	PASS
				RB1#38	20.62	18.22	30	PASS
				RB1#74	20.43	18.21	30	PASS
				RB38#0	20.62	18.21	30	PASS
				RB38#19	20.6	18.15	30	PASS
				RB38#39	20.55	18.09	30	PASS
				RB75#0	20.56	18.24	30	PASS
		20	LCH	RB1#0	20.6	18.14	30	PASS
				RB1#50	21.08	18.74	30	PASS
				RB1#99	20.85	18.53	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	20.32	17.98	30	PASS
				RB50#25	20.5	18.11	30	PASS
				RB50#50	20.59	18.28	30	PASS
				RB100#0	20.45	18.27	30	PASS
			MCH	RB1#0	20.52	18.21	30	PASS
				RB1#50	21.1	18.84	30	PASS
				RB1#99	20.71	18.32	30	PASS
				RB50#0	20.77	18.58	30	PASS
				RB50#25	20.78	18.53	30	PASS
				RB50#50	20.6	18.22	30	PASS
				RB100#0	20.71	18.27	30	PASS
			HCH	RB1#0	21.02	18.59	30	PASS
				RB1#50	21.42	19.04	30	PASS
				RB1#99	20.94	18.68	30	PASS
				RB50#0	20.91	18.57	30	PASS
				RB50#25	20.81	18.64	30	PASS
				RB50#50	20.66	18.31	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	20.79	18.48	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:

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

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

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

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	4.81	13	PASS
				RB1#3	4.78	13	PASS
				RB1#5	4.8	13	PASS
				RB3#0	5.33	13	PASS
				RB3#2	5.29	13	PASS
				RB3#3	5.44	13	PASS
				RB6#0	6.92	13	PASS
			MCH	RB1#0	4.36	13	PASS
				RB1#3	4.33	13	PASS
				RB1#5	4.41	13	PASS
				RB3#0	4.43	13	PASS
				RB3#2	4.2	13	PASS
				RB3#3	4.34	13	PASS
				RB6#0	5.58	13	PASS
			HCH	RB1#0	5.14	13	PASS
				RB1#3	5	13	PASS
				RB1#5	5.12	13	PASS
				RB3#0	4.55	13	PASS
				RB3#2	4.5	13	PASS
				RB3#3	4.55	13	PASS
				RB6#0	5.78	13	PASS
		3	LCH	RB1#0	5.14	13	PASS
				RB1#7	5.05	13	PASS
				RB1#14	5.07	13	PASS
				RB8#0	6.33	13	PASS
				RB8#4	6.23	13	PASS
				RB8#7	6.26	13	PASS
				RB15#0	5.86	13	PASS
			MCH	RB1#0	4.29	13	PASS
				RB1#7	4.31	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	4.47	13	PASS
				RB8#0	5.4	13	PASS
				RB8#4	5.16	13	PASS
				RB8#7	5.41	13	PASS
				RB15#0	5.58	13	PASS
			HCH	RB1#0	5.17	13	PASS
				RB1#7	4.94	13	PASS
				RB1#14	5.16	13	PASS
				RB8#0	5.43	13	PASS
				RB8#4	5.28	13	PASS
				RB8#7	5.44	13	PASS
				RB15#0	6.01	13	PASS
		5	LCH	RB1#0	4.95	13	PASS
				RB1#13	4.89	13	PASS
				RB1#24	4.91	13	PASS
				RB12#0	5.88	13	PASS
				RB12#6	5.86	13	PASS
				RB12#13	5.85	13	PASS
				RB25#0	5.8	13	PASS
			MCH	RB1#0	4.53	13	PASS
				RB1#13	4.54	13	PASS
				RB1#24	4.66	13	PASS
				RB12#0	5.21	13	PASS
				RB12#6	5.17	13	PASS
				RB12#13	5.35	13	PASS
				RB25#0	5.72	13	PASS
			HCH	RB1#0	5.3	13	PASS
				RB1#13	5.24	13	PASS
				RB1#24	5.22	13	PASS
				RB12#0	5.74	13	PASS
				RB12#6	5.65	13	PASS
				RB12#13	5.7	13	PASS
				RB25#0	5.69	13	PASS
		10	LCH	RB1#0	5.12	13	PASS
				RB1#25	4.97	13	PASS
				RB1#49	4.88	13	PASS
				RB25#0	6.01	13	PASS
				RB25#13	5.96	13	PASS
				RB25#25	5.85	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	6.24	13	PASS
				RB1#0	4.41	13	PASS
			MCH	RB1#25	4.37	13	PASS
				RB1#49	4.63	13	PASS
				RB25#0	5.34	13	PASS
				RB25#13	5.33	13	PASS
				RB25#25	5.63	13	PASS
				RB50#0	5.92	13	PASS
			HCH	RB1#0	5.25	13	PASS
				RB1#25	5.14	13	PASS
				RB1#49	5.22	13	PASS
				RB25#0	5.88	13	PASS
				RB25#13	5.82	13	PASS
				RB25#25	5.88	13	PASS
				RB50#0	6.08	13	PASS
		15	LCH	RB1#0	5.13	13	PASS
				RB1#38	4.93	13	PASS
				RB1#74	4.64	13	PASS
				RB38#0	6.2	13	PASS
				RB38#19	6.01	13	PASS
				RB38#39	5.85	13	PASS
				RB75#0	6.58	13	PASS
			MCH	RB1#0	4.65	13	PASS
				RB1#38	4.57	13	PASS
				RB1#74	5.04	13	PASS
				RB38#0	5.27	13	PASS
				RB38#19	5.19	13	PASS
				RB38#39	5.6	13	PASS
				RB75#0	5.9	13	PASS
			HCH	RB1#0	5.15	13	PASS
				RB1#38	5.21	13	PASS
				RB1#74	5.21	13	PASS
				RB38#0	5.85	13	PASS
				RB38#19	6.03	13	PASS
				RB38#39	6	13	PASS
				RB75#0	6.43	13	PASS
		20	LCH	RB1#0	5.58	13	PASS
				RB1#50	5.12	13	PASS
				RB1#99	4.91	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	6.28	13	PASS
				RB50#25	6.02	13	PASS
				RB50#50	5.7	13	PASS
				RB100#0	6.16	13	PASS
			MCH	RB1#0	4.96	13	PASS
				RB1#50	4.51	13	PASS
				RB1#99	5.18	13	PASS
				RB50#0	5.33	13	PASS
				RB50#25	5.31	13	PASS
				RB50#50	5.65	13	PASS
				RB100#0	5.98	13	PASS
			HCH	RB1#0	4.84	13	PASS
				RB1#50	5.01	13	PASS
				RB1#99	5.33	13	PASS
				RB50#0	5.84	13	PASS
				RB50#25	5.86	13	PASS
				RB50#50	6	13	PASS
				RB100#0	6.32	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	6.18	13	PASS
				RB1#3	6.15	13	PASS
				RB1#5	6.18	13	PASS
				RB3#0	6.31	13	PASS
				RB3#2	6.31	13	PASS
				RB3#3	6.36	13	PASS
				RB6#0	6.81	13	PASS
			MCH	RB1#0	5.45	13	PASS
				RB1#3	5.42	13	PASS
				RB1#5	5.45	13	PASS
				RB3#0	5.16	13	PASS
				RB3#2	5	13	PASS
				RB3#3	5.2	13	PASS
				RB6#0	6.02	13	PASS
			HCH	RB1#0	5.77	13	PASS
				RB1#3	5.71	13	PASS
				RB1#5	5.62	13	PASS
				RB3#0	5.74	13	PASS
				RB3#2	5.66	13	PASS
				RB3#3	5.71	13	PASS
				RB6#0	6.63	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		3	LCH	RB1#0	6.51	13	PASS
				RB1#7	6.41	13	PASS
				RB1#14	6.62	13	PASS
				RB8#0	6.8	13	PASS
				RB8#4	6.81	13	PASS
				RB8#7	6.86	13	PASS
				RB15#0	7.02	13	PASS
			MCH	RB1#0	5.36	13	PASS
				RB1#7	5.3	13	PASS
				RB1#14	5.58	13	PASS
				RB8#0	5.74	13	PASS
				RB8#4	5.72	13	PASS
				RB8#7	5.8	13	PASS
				RB15#0	6.04	13	PASS
			HCH	RB1#0	5.55	13	PASS
				RB1#7	5.56	13	PASS
				RB1#14	5.59	13	PASS
				RB8#0	6.59	13	PASS
				RB8#4	6.48	13	PASS
				RB8#7	6.65	13	PASS
				RB15#0	6.76	13	PASS
		5	LCH	RB1#0	6.41	13	PASS
				RB1#13	6.34	13	PASS
				RB1#24	6.33	13	PASS
				RB12#0	6.98	13	PASS
				RB12#6	6.93	13	PASS
				RB12#13	7.01	13	PASS
				RB25#0	6.82	13	PASS
			MCH	RB1#0	5.54	13	PASS
				RB1#13	5.59	13	PASS
				RB1#24	5.72	13	PASS
				RB12#0	6.02	13	PASS
				RB12#6	5.94	13	PASS
				RB12#13	6.12	13	PASS
				RB25#0	6.46	13	PASS
			HCH	RB1#0	4.98	13	PASS
				RB1#13	5.01	13	PASS
				RB1#24	4.98	13	PASS
				RB12#0	6.35	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10		RB12#6	6.3	13	PASS
				RB12#13	6.36	13	PASS
				RB25#0	7.06	13	PASS
			LCH	RB1#0	6.46	13	PASS
				RB1#25	6.32	13	PASS
				RB1#49	6.19	13	PASS
				RB25#0	7.37	13	PASS
				RB25#13	7.24	13	PASS
				RB25#25	7.23	13	PASS
				RB50#0	7.31	13	PASS
			MCH	RB1#0	5.49	13	PASS
				RB1#25	5.42	13	PASS
				RB1#49	5.76	13	PASS
				RB25#0	6.33	13	PASS
				RB25#13	6.29	13	PASS
				RB25#25	6.66	13	PASS
				RB50#0	6.61	13	PASS
			HCH	RB1#0	5.84	13	PASS
				RB1#25	5.75	13	PASS
				RB1#49	5.78	13	PASS
				RB25#0	6.74	13	PASS
				RB25#13	6.69	13	PASS
				RB25#25	6.76	13	PASS
				RB50#0	7.23	13	PASS
		15	LCH	RB1#0	6.52	13	PASS
				RB1#38	6.28	13	PASS
				RB1#74	5.9	13	PASS
				RB38#0	7.39	13	PASS
				RB38#19	7.2	13	PASS
				RB38#39	6.99	13	PASS
				RB75#0	7.31	13	PASS
			MCH	RB1#0	5.93	13	PASS
				RB1#38	5.77	13	PASS
				RB1#74	6.36	13	PASS
				RB38#0	6.38	13	PASS
				RB38#19	6.36	13	PASS
				RB38#39	6.71	13	PASS
				RB75#0	6.71	13	PASS
			HCH	RB1#0	5.63	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#38	5.74	13	PASS
				RB1#74	5.81	13	PASS
				RB38#0	6.97	13	PASS
				RB38#19	6.98	13	PASS
				RB38#39	7	13	PASS
				RB75#0	6.93	13	PASS
		20	LCH	RB1#0	5.18	13	PASS
				RB1#50	4.93	13	PASS
				RB1#99	4.78	13	PASS
				RB50#0	7.34	13	PASS
				RB50#25	6.92	13	PASS
				RB50#50	6.62	13	PASS
				RB100#0	6.97	13	PASS
			MCH	RB1#0	6.03	13	PASS
				RB1#50	5.5	13	PASS
				RB1#99	6.21	13	PASS
				RB50#0	6.3	13	PASS
				RB50#25	6.21	13	PASS
				RB50#50	6.67	13	PASS
				RB100#0	6.62	13	PASS
			HCH	RB1#0	4.83	13	PASS
				RB1#50	4.95	13	PASS
				RB1#99	5.09	13	PASS
				RB50#0	6.94	13	PASS
				RB50#25	6.98	13	PASS
				RB50#50	7.11	13	PASS
				RB100#0	7.12	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

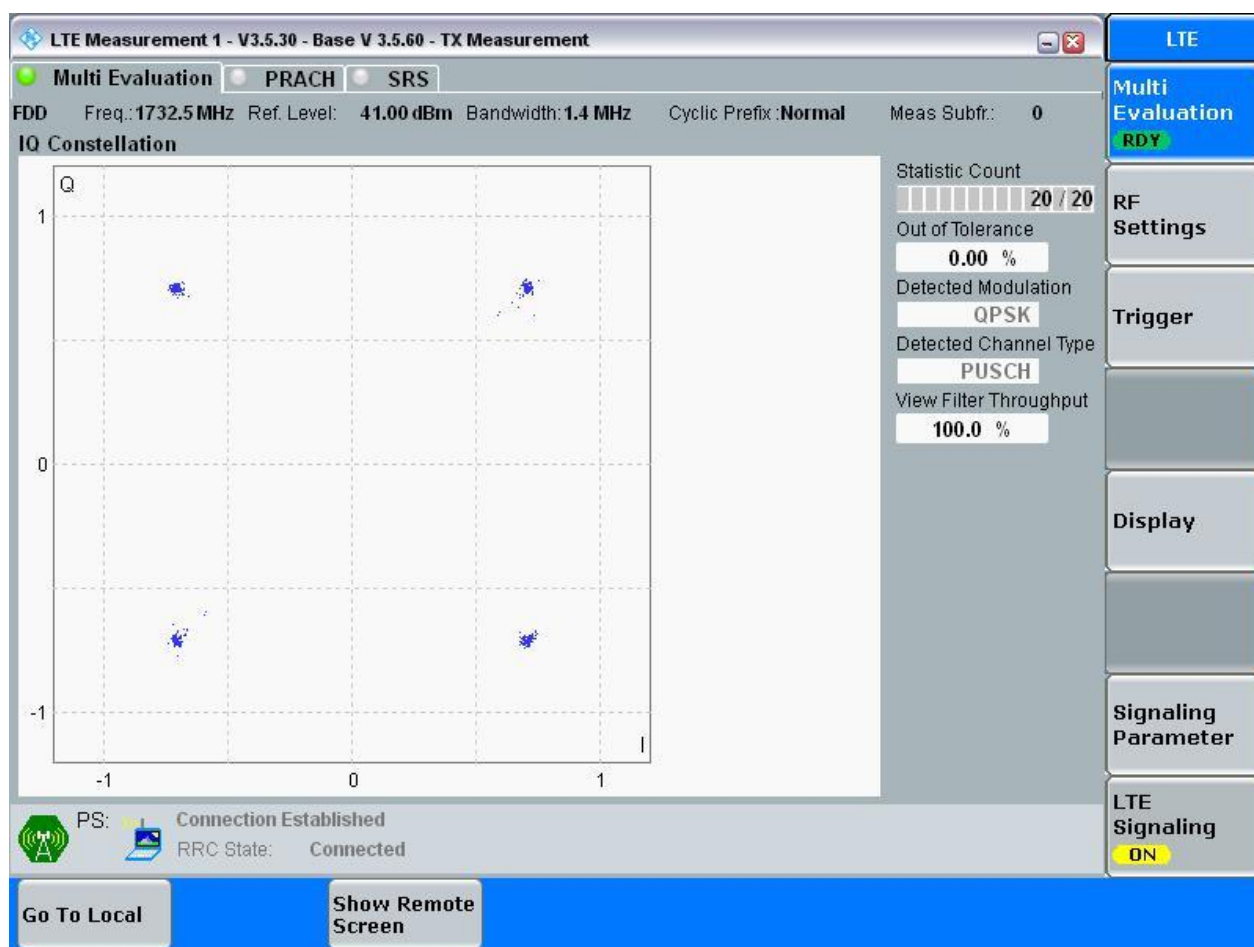
3.1.1 Test Band = BAND4

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 1.4

3.1.1.1.1.1 Test Channel = MCH

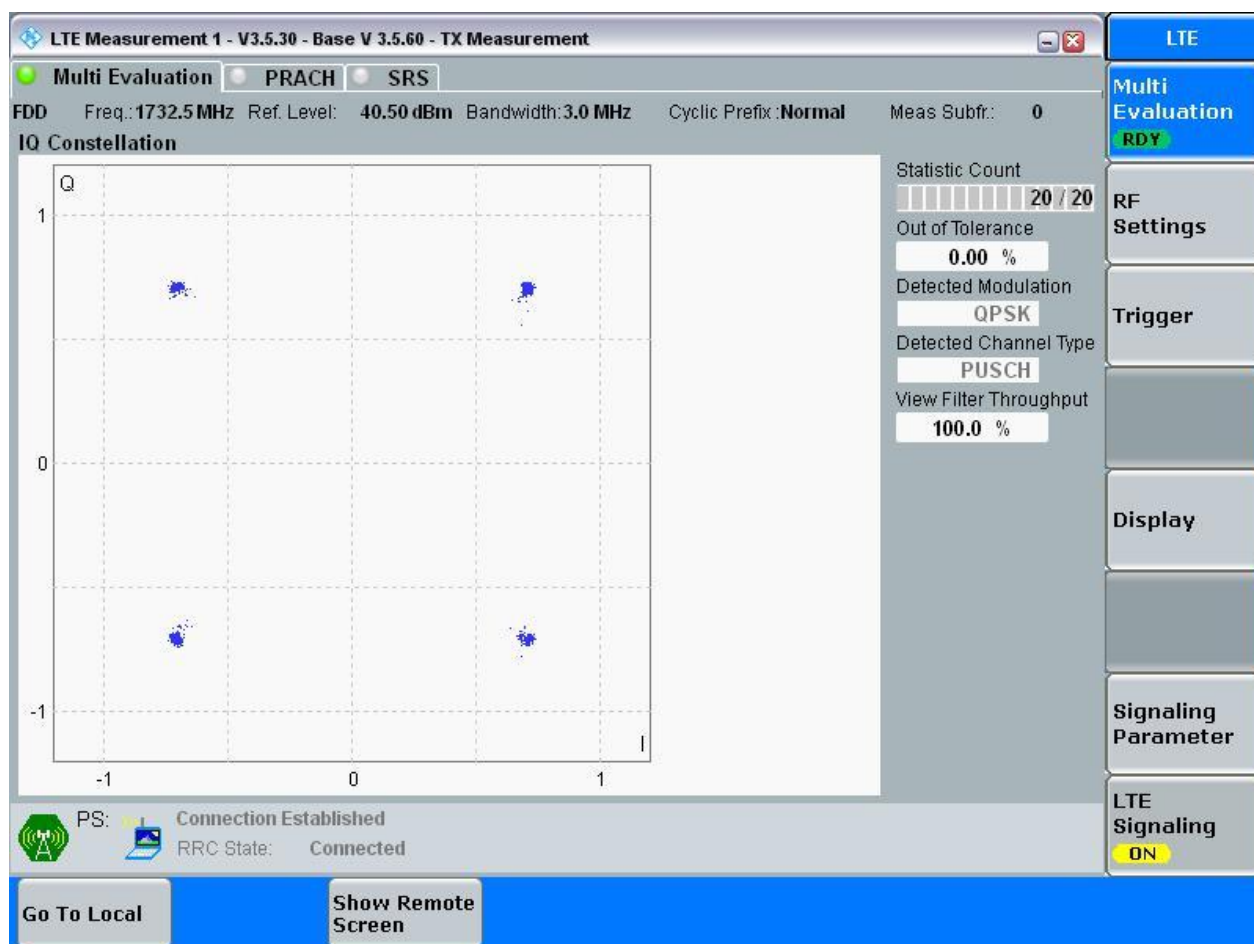
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

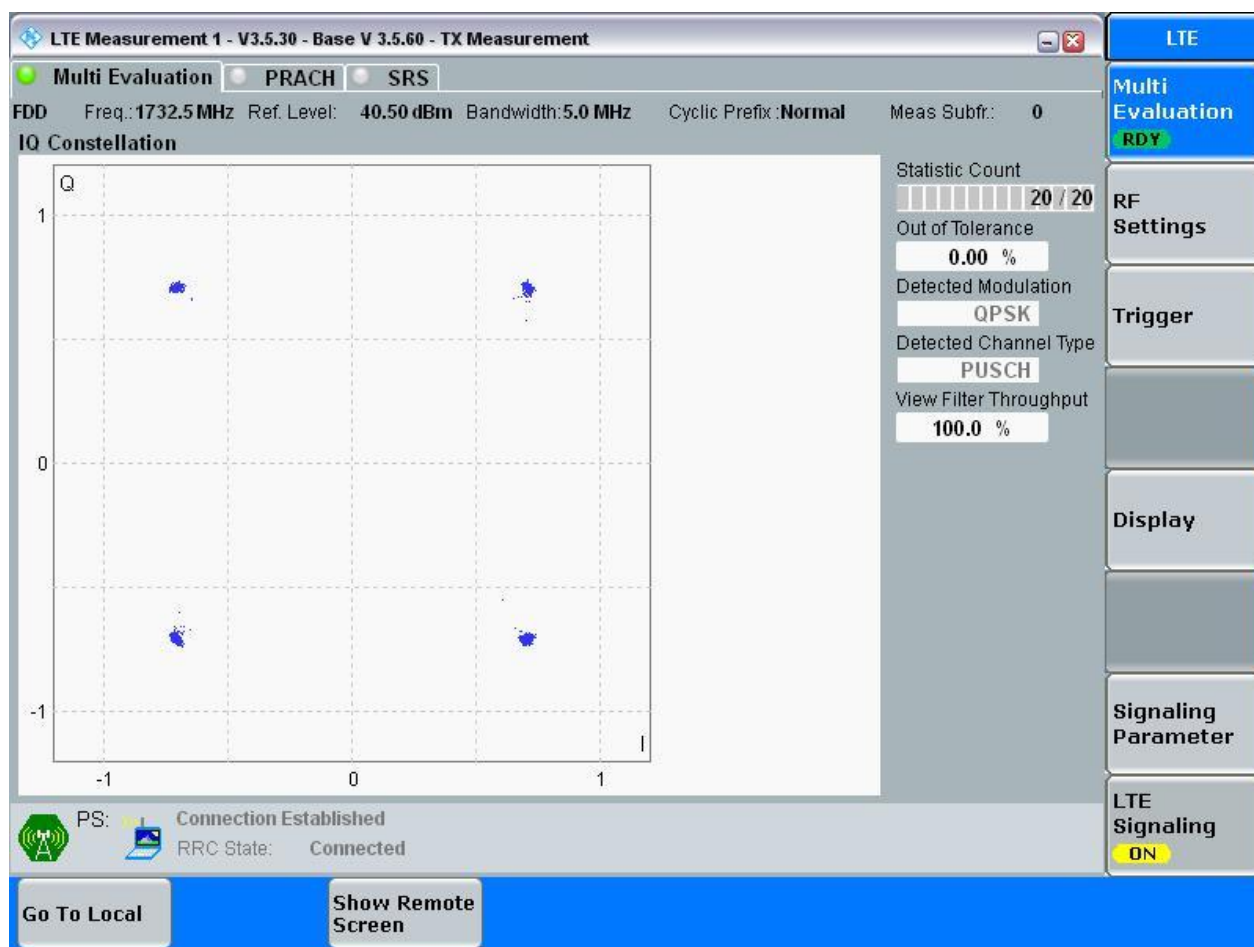
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

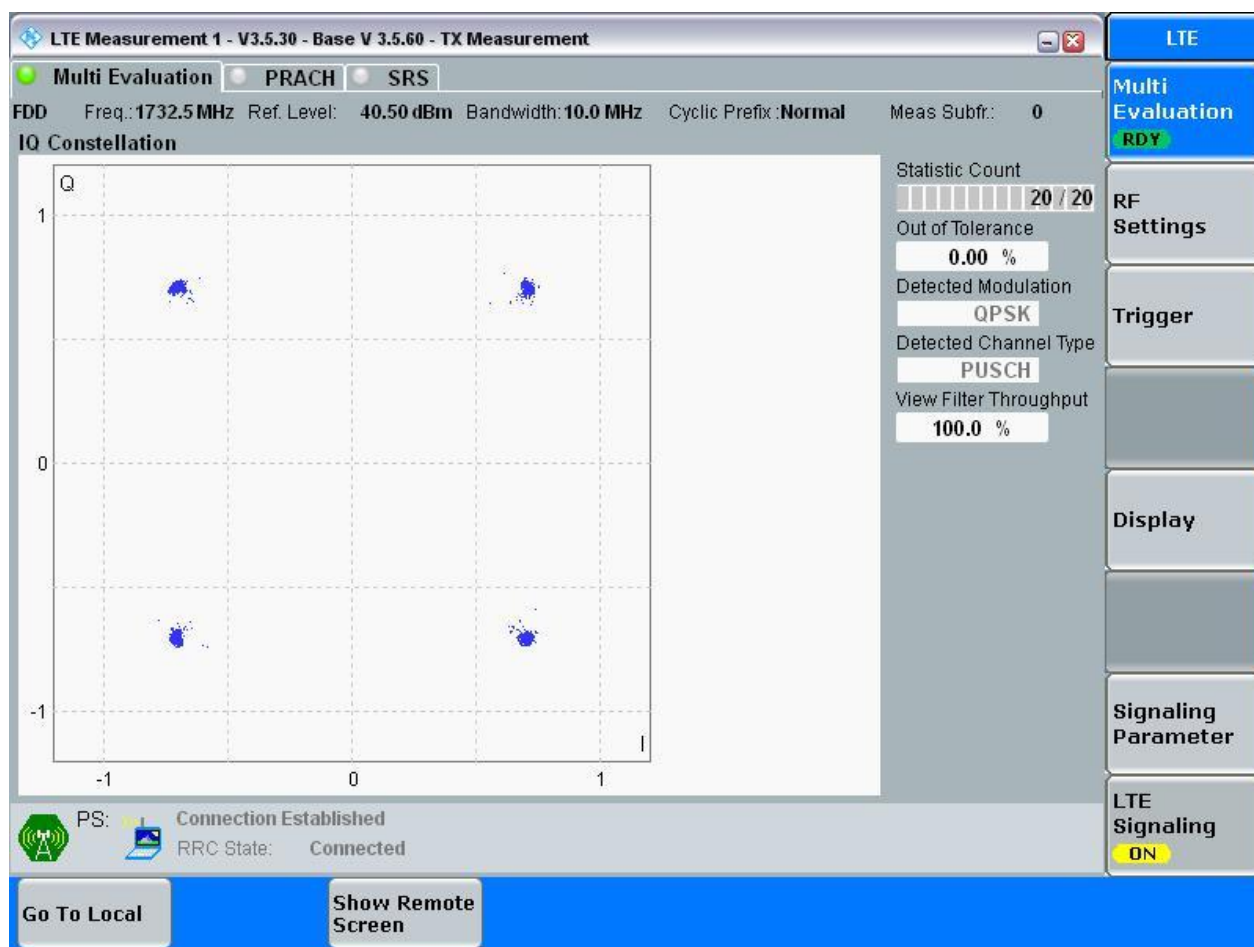
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

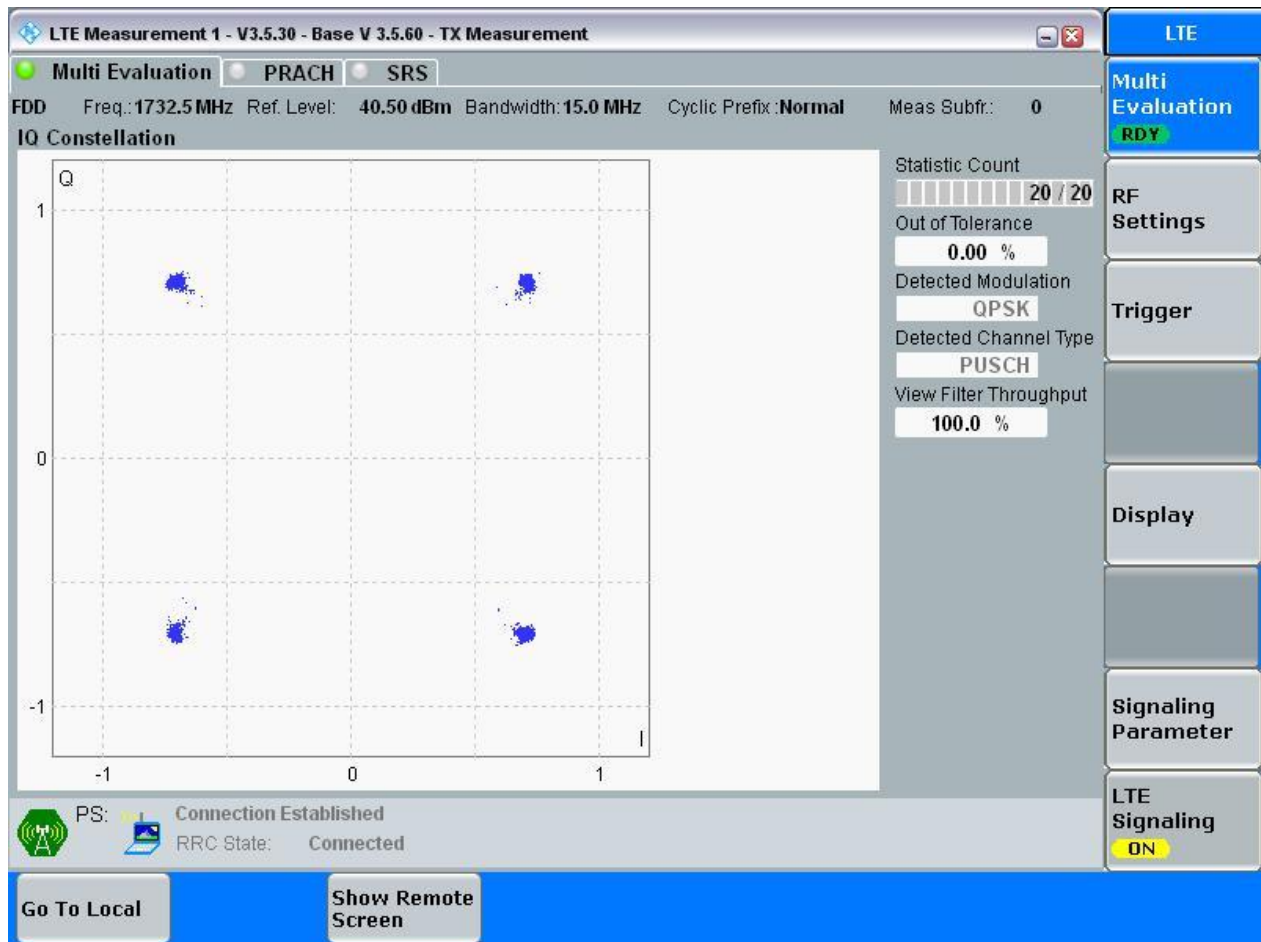
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

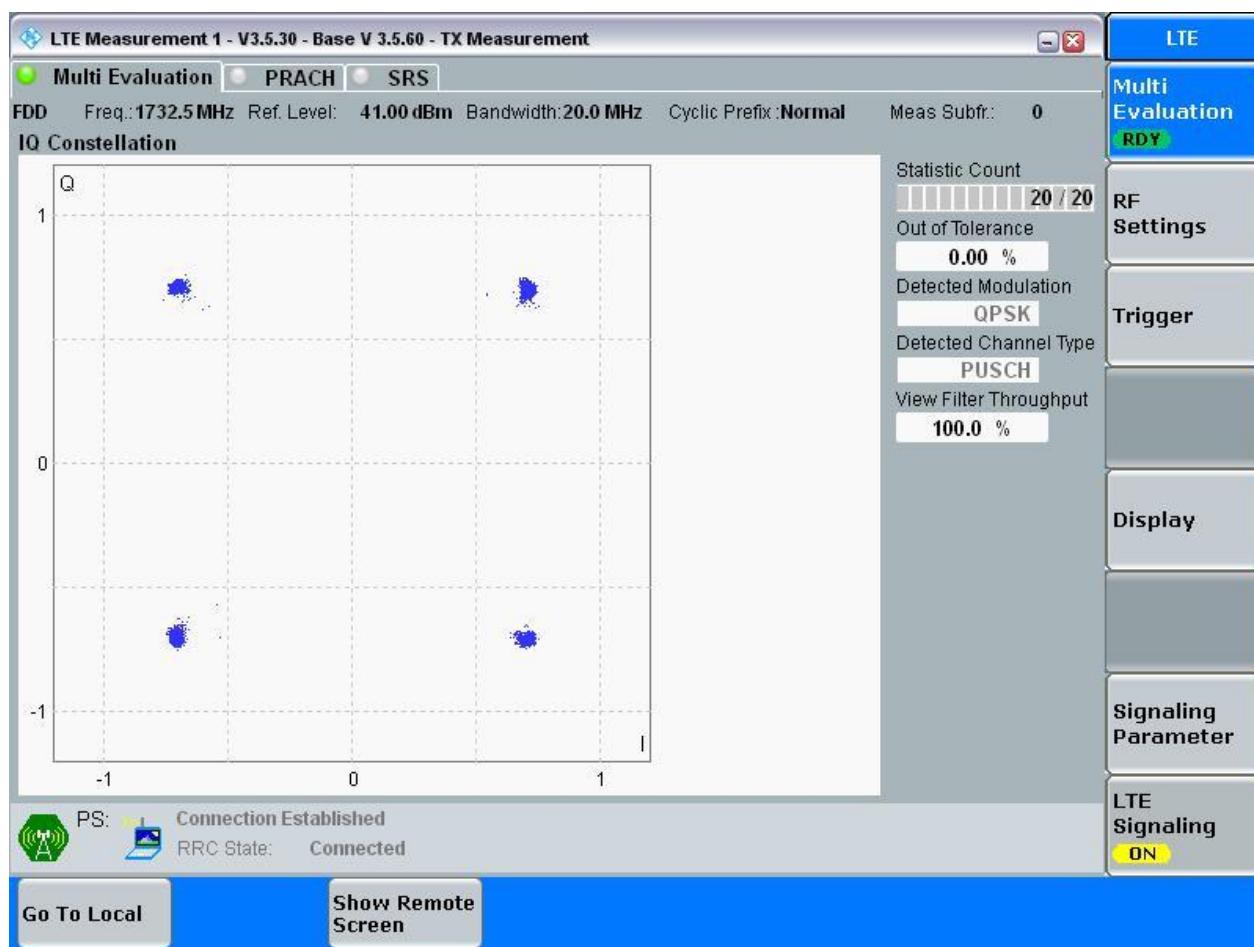
3.1.1.1.5.1.1 Test RB = RB75#0



3.1.1.1.6 Test Bandwidth = 20

3.1.1.1.6.1 Test Channel = MCH

3.1.1.1.6.1.1 Test RB = RB100#0

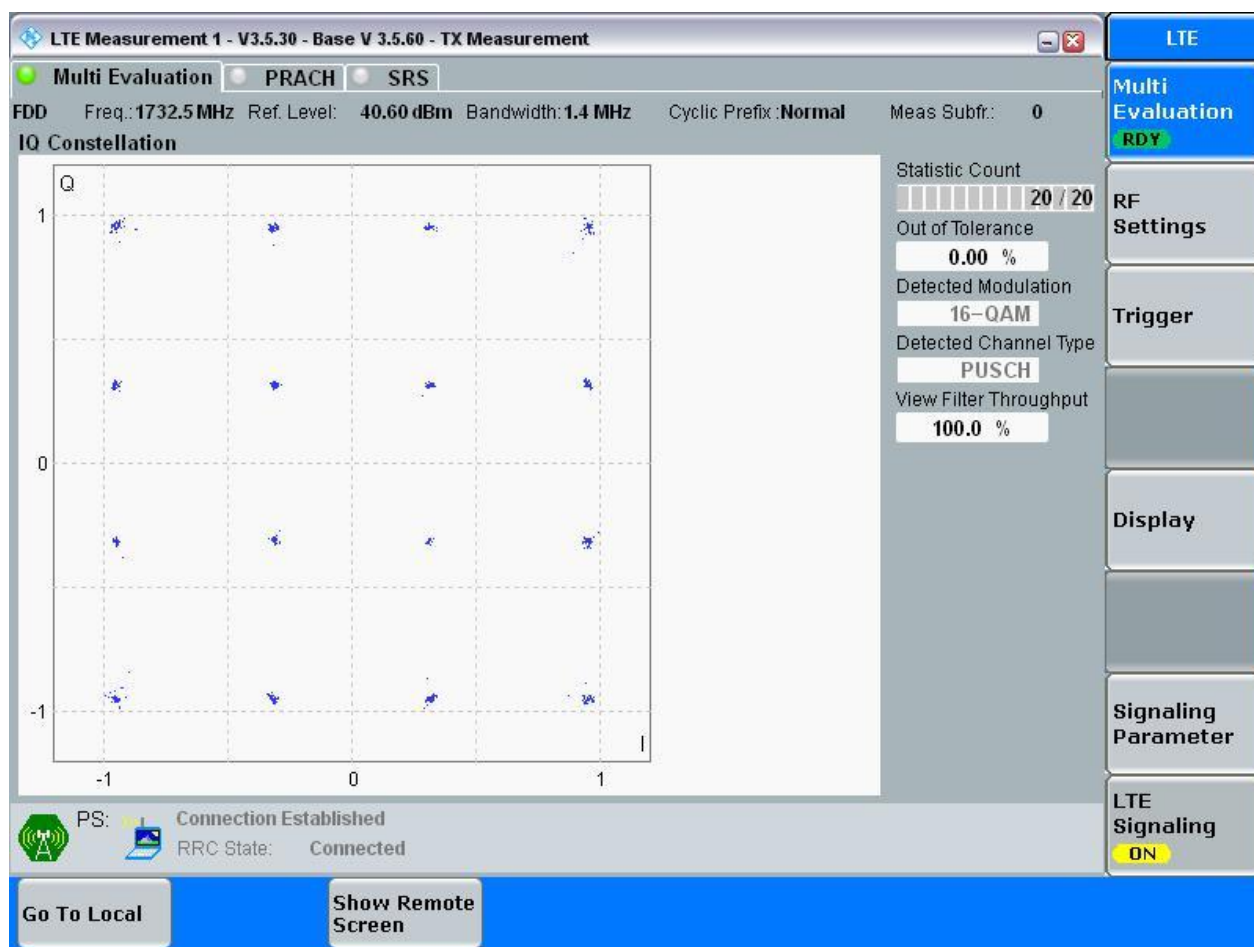


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

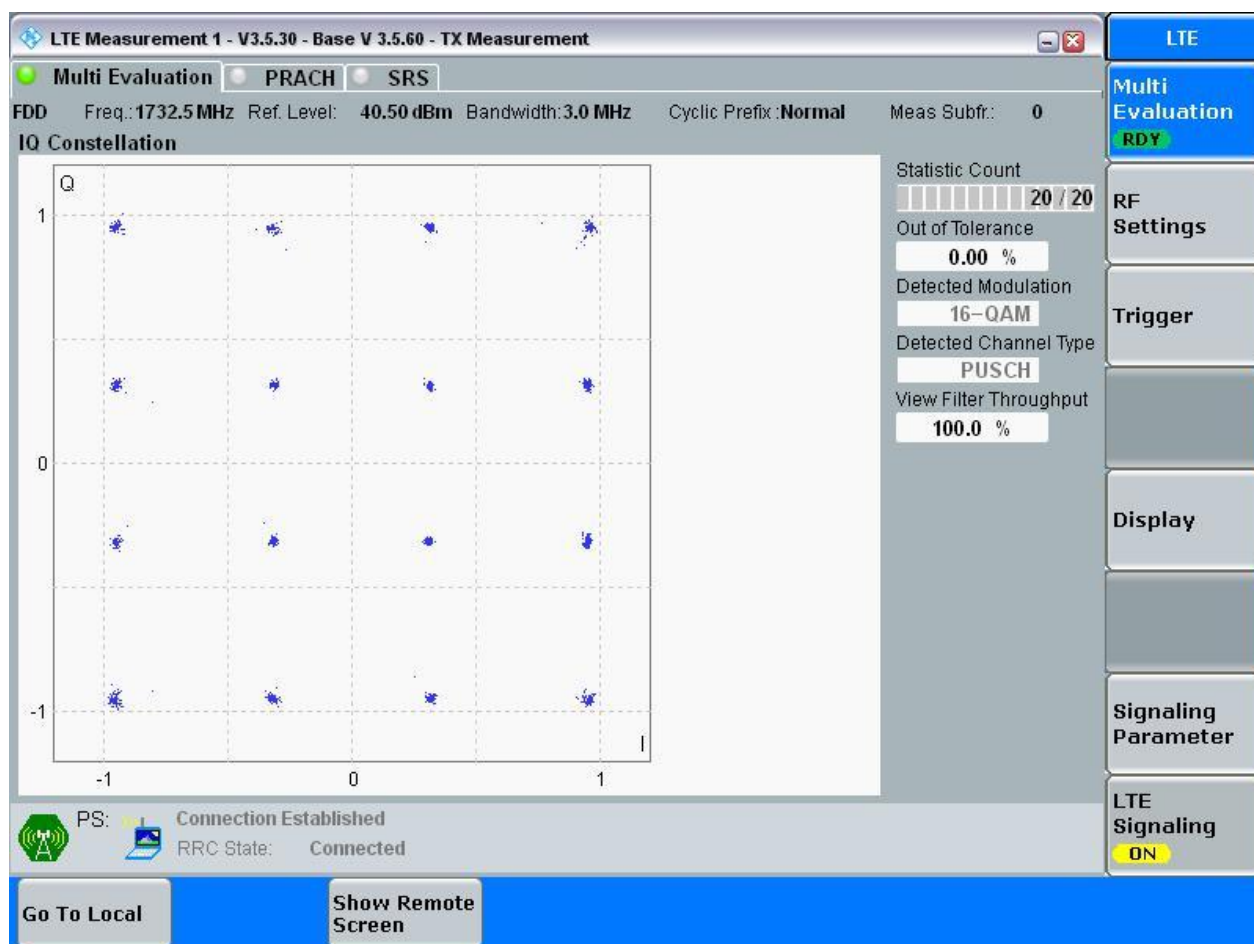
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

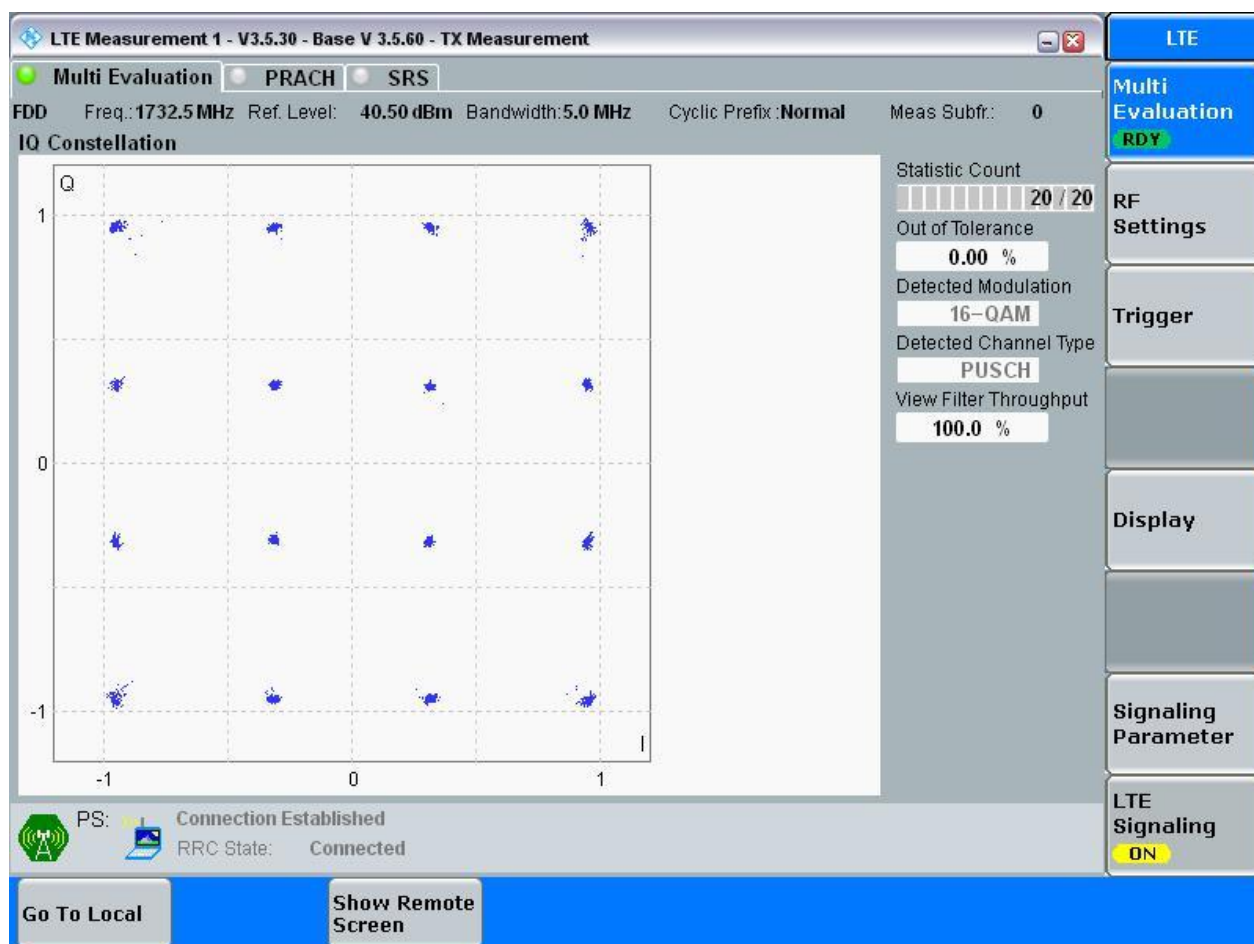
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

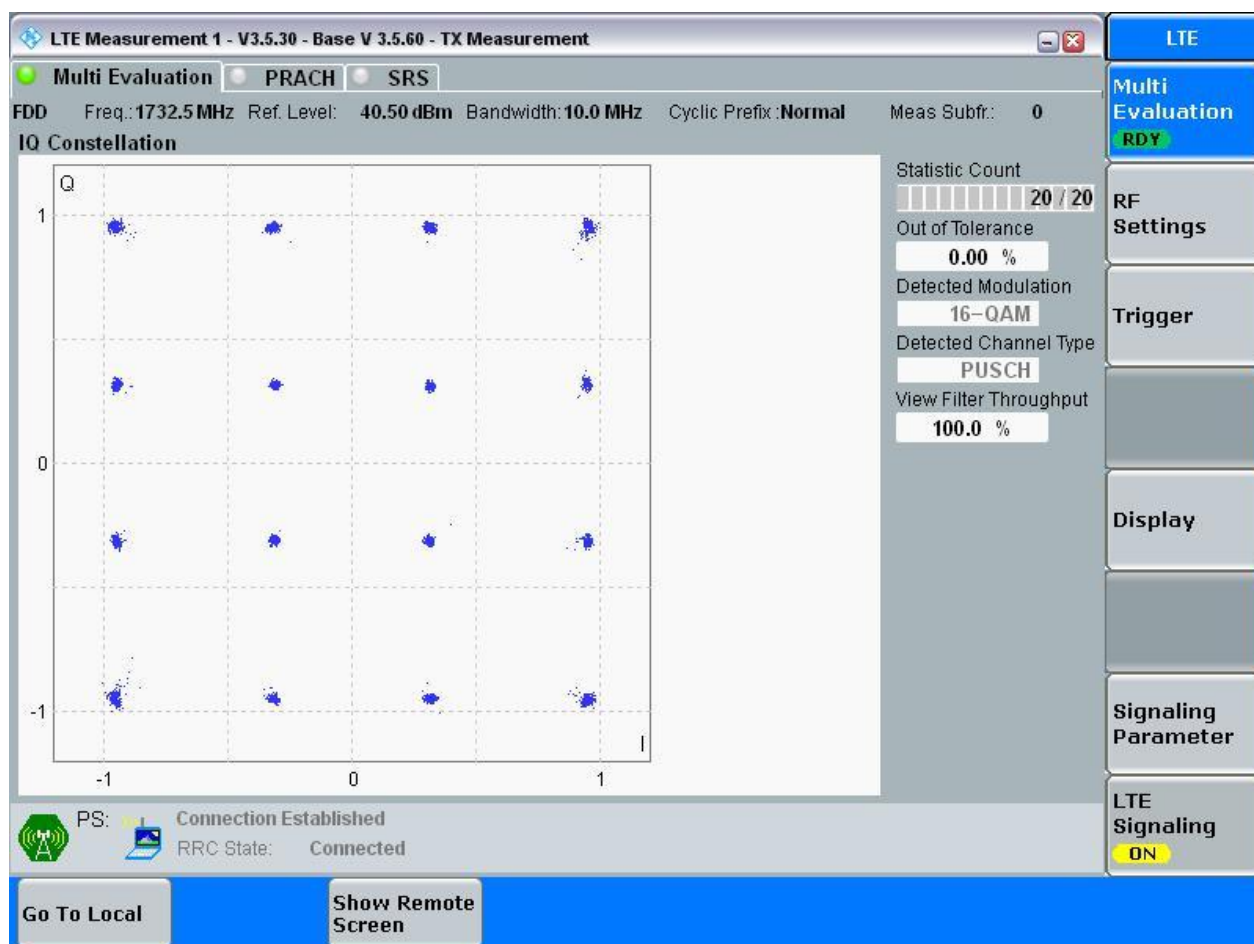
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

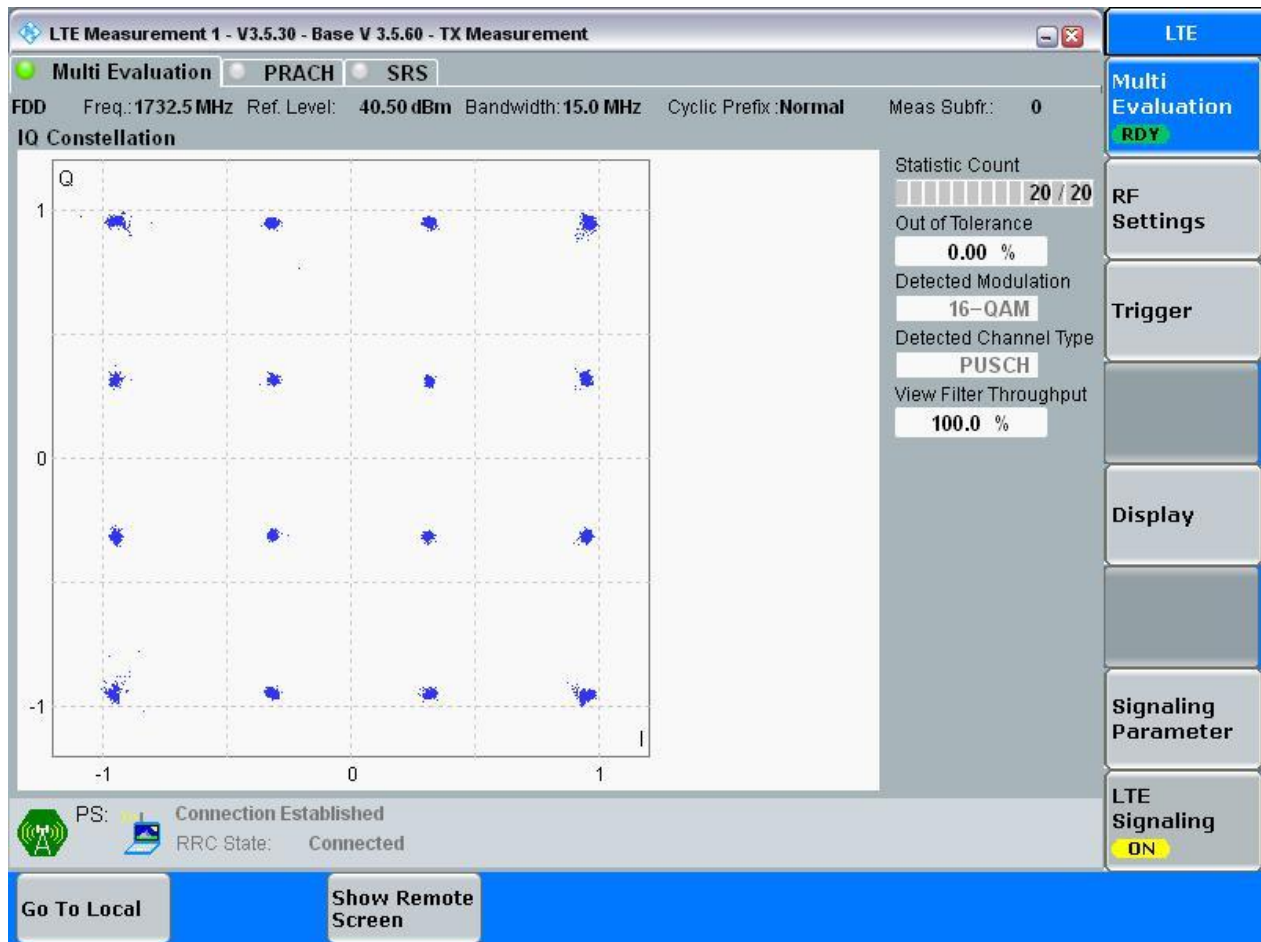
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

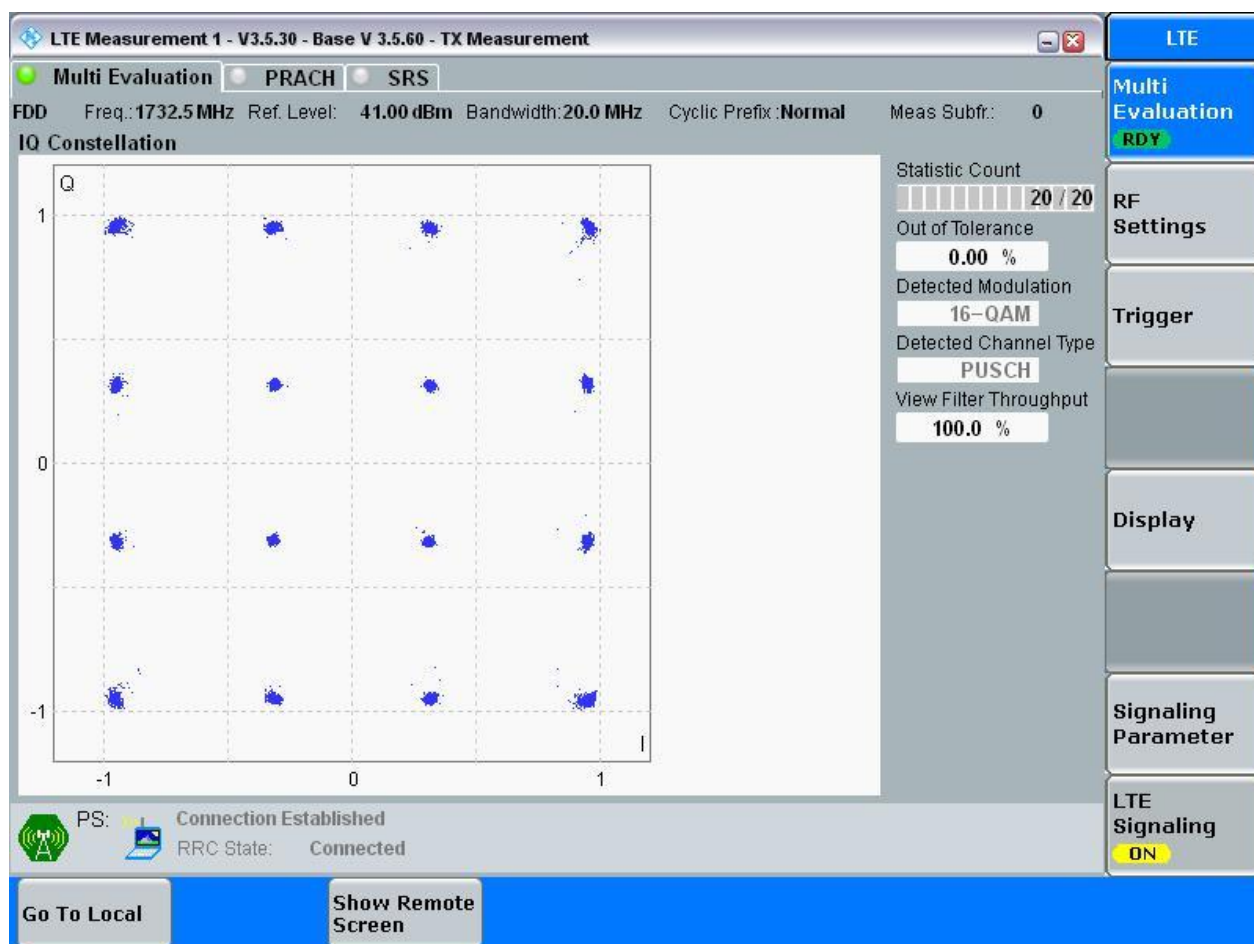
3.1.1.2.5.1.1 Test RB = RB75#0



3.1.1.2.6 Test Bandwidth = 20

3.1.1.2.6.1 Test Channel = MCH

3.1.1.2.6.1.1 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	1.28	Pass
			MCH	RB6#0	1.09	1.29	Pass
			HCH	RB6#0	1.09	1.28	Pass
		3	LCH	RB15#0	2.69	2.92	Pass
			MCH	RB15#0	2.70	2.93	Pass
			HCH	RB15#0	2.69	2.91	Pass
		5	LCH	RB25#0	4.53	5.21	Pass
			MCH	RB25#0	4.51	5.15	Pass
			HCH	RB25#0	4.51	5.18	Pass
		10	LCH	RB50#0	9.01	10.09	Pass
			MCH	RB50#0	8.99	10.08	Pass
			HCH	RB50#0	9.00	10.06	Pass
		15	LCH	RB75#0	13.52	15.25	Pass
			MCH	RB75#0	13.50	15.03	Pass
			HCH	RB75#0	13.49	15.04	Pass
		20	LCH	RB100#0	17.96	19.66	Pass
			MCH	RB100#0	17.96	19.80	Pass
			HCH	RB100#0	18.03	19.76	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.30	Pass
			MCH	RB6#0	1.09	1.30	Pass
			HCH	RB6#0	1.09	1.28	Pass
		3	LCH	RB15#0	2.70	2.94	Pass
			MCH	RB15#0	2.69	2.93	Pass
			HCH	RB15#0	2.69	2.92	Pass
		5	LCH	RB25#0	4.52	5.21	Pass
			MCH	RB25#0	4.51	5.08	Pass
			HCH	RB25#0	4.51	5.17	Pass
		10	LCH	RB50#0	9.01	10.15	Pass
			MCH	RB50#0	9.01	10.10	Pass
			HCH	RB50#0	8.98	10.14	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		15	LCH	RB75#0	13.50	15.10	Pass
			MCH	RB75#0	13.47	14.99	Pass
			HCH	RB75#0	13.49	15.05	Pass
		20	LCH	RB100#0	18.01	20.15	Pass
			MCH	RB100#0	17.96	19.62	Pass
			HCH	RB100#0	17.98	19.93	Pass



Part II - Test Plots

4.1 For LTE

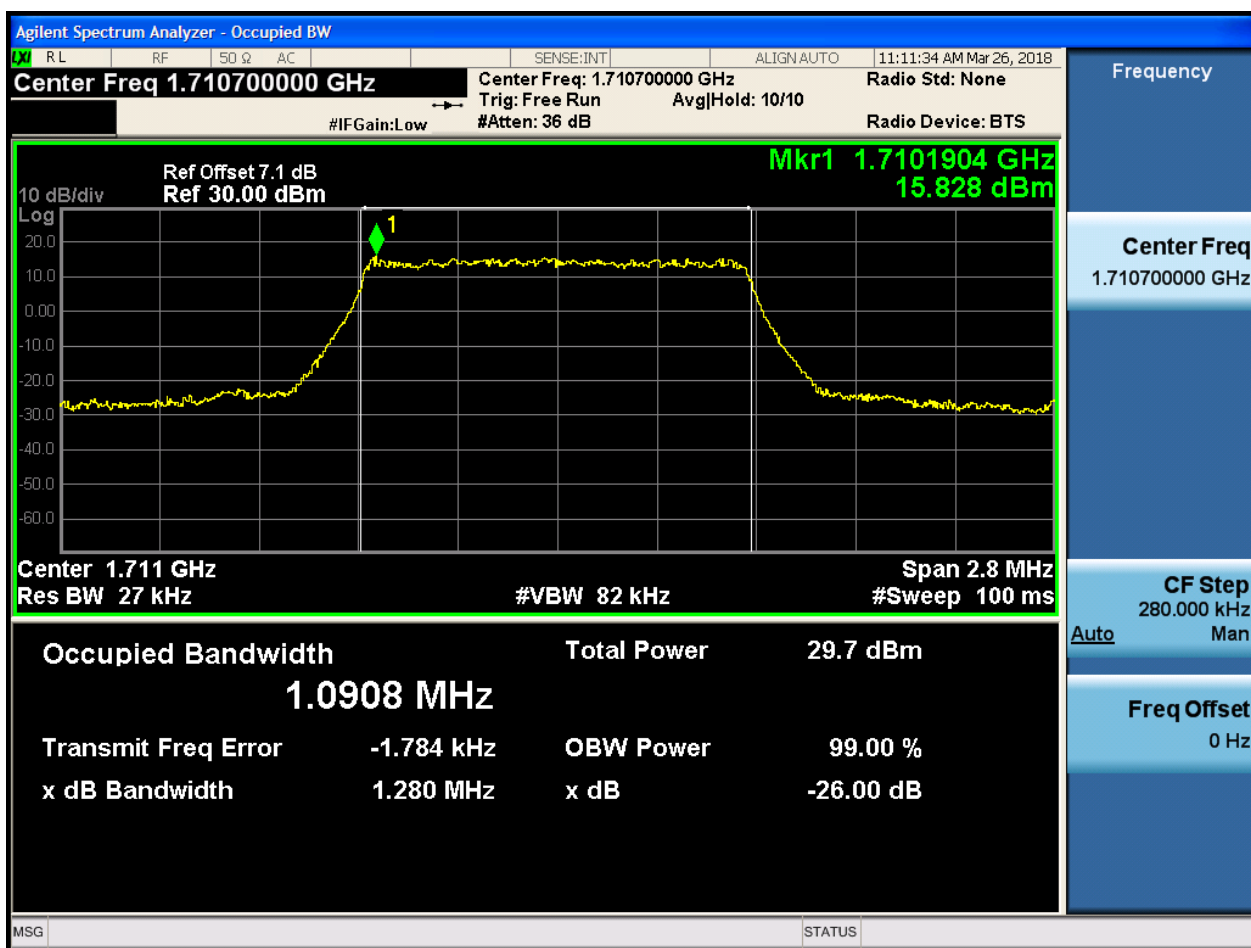
4.1.1 Test Band = BAND4

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

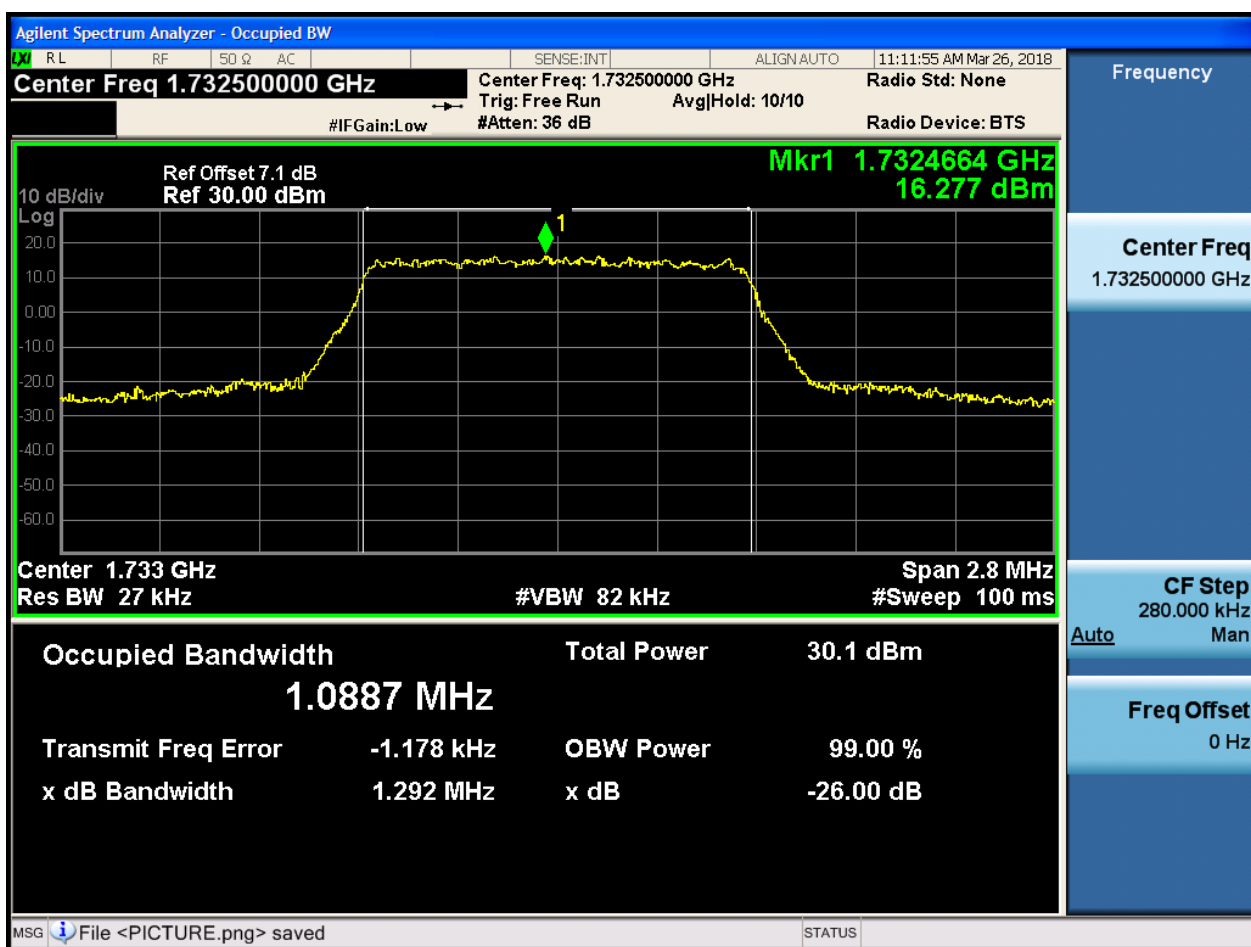
4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB6#0



4.1.1.1.1.2 Test Channel = MCH

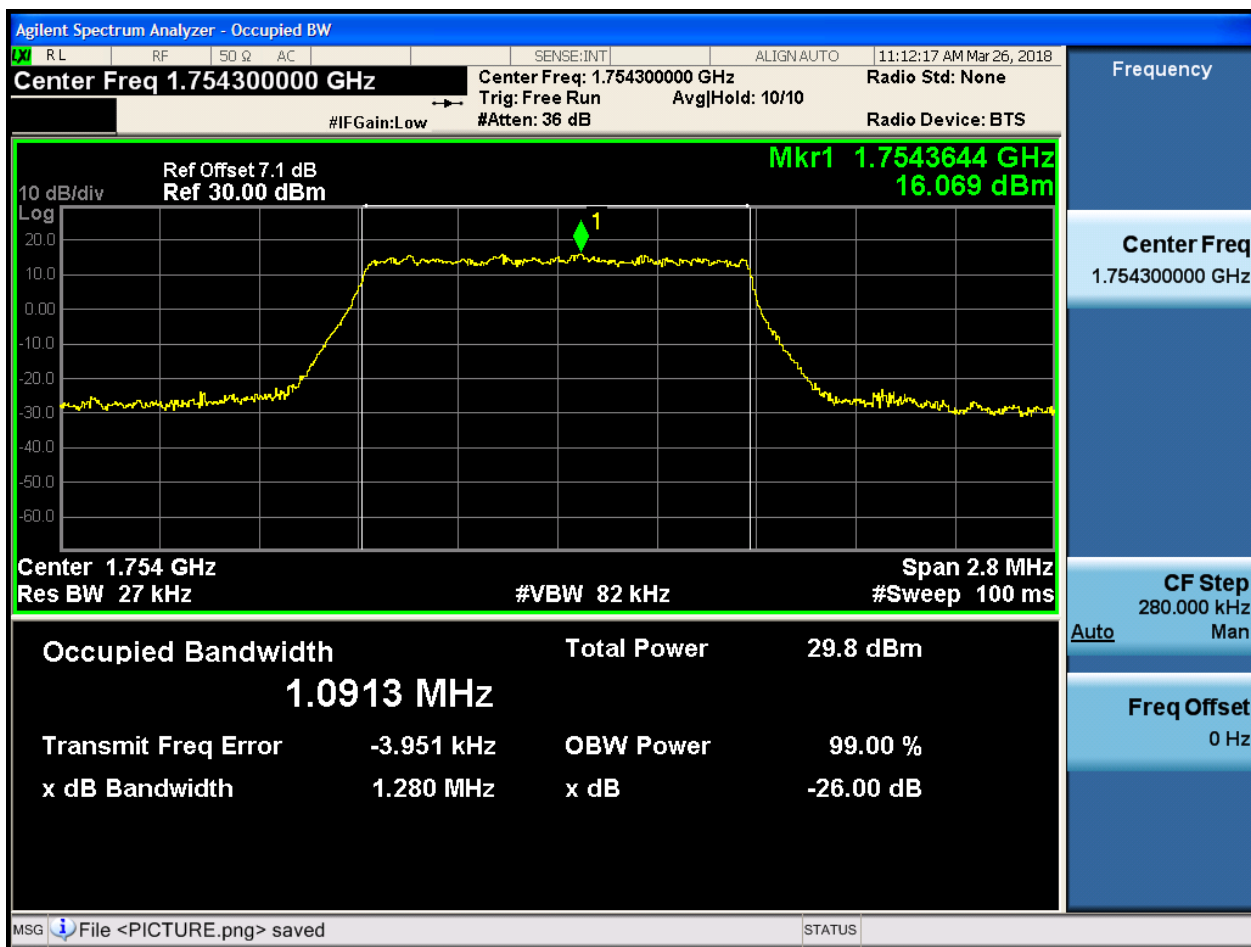
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

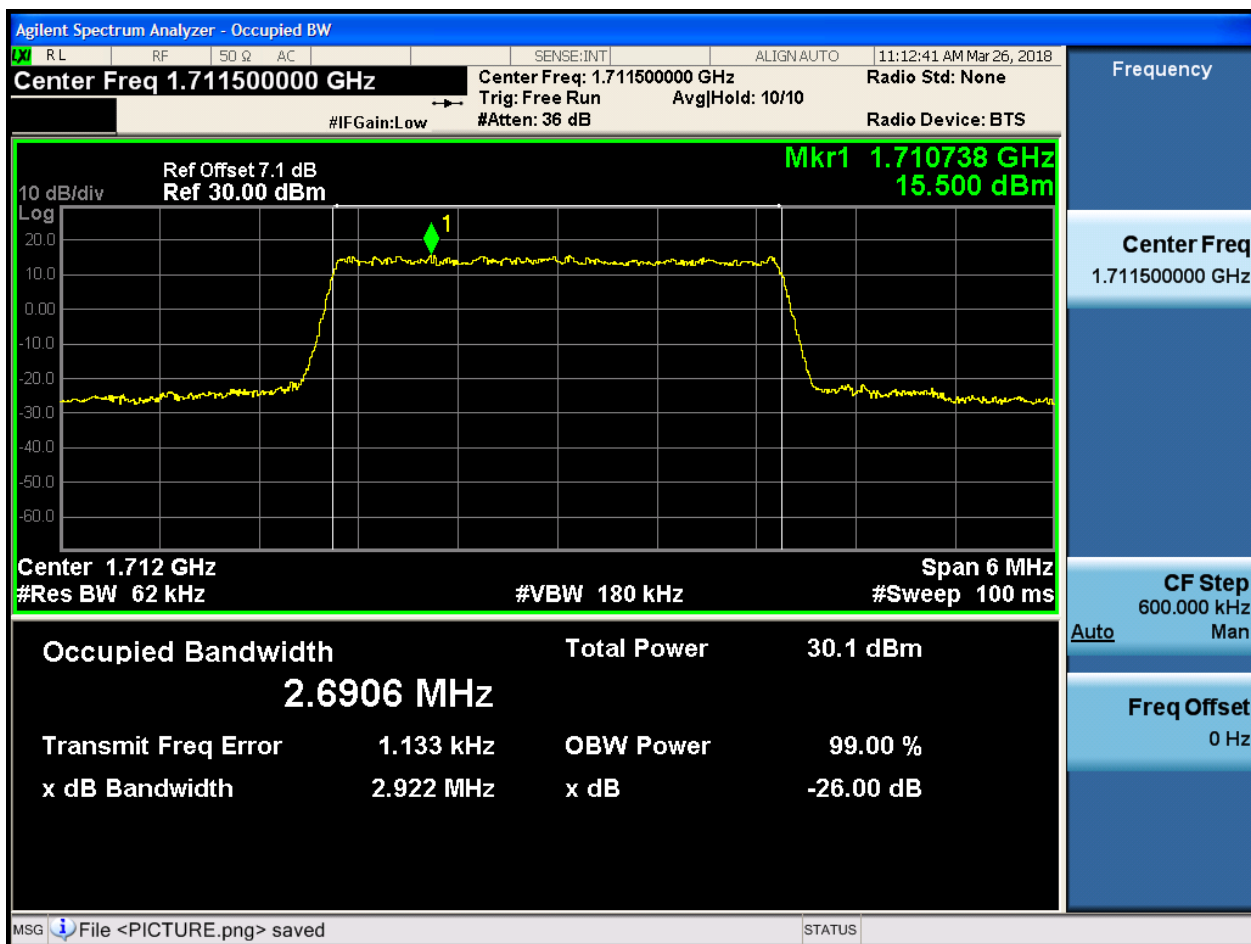




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

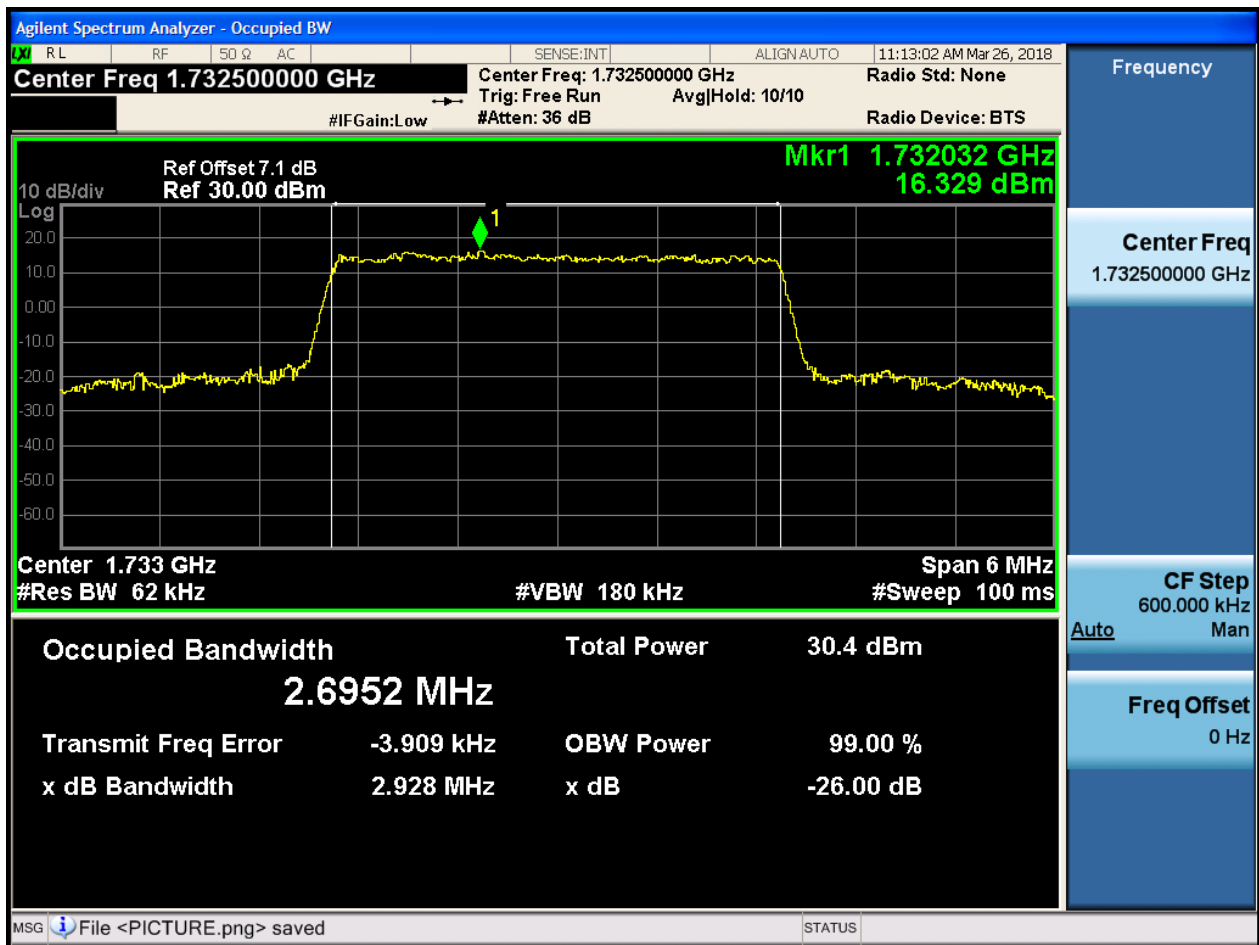
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

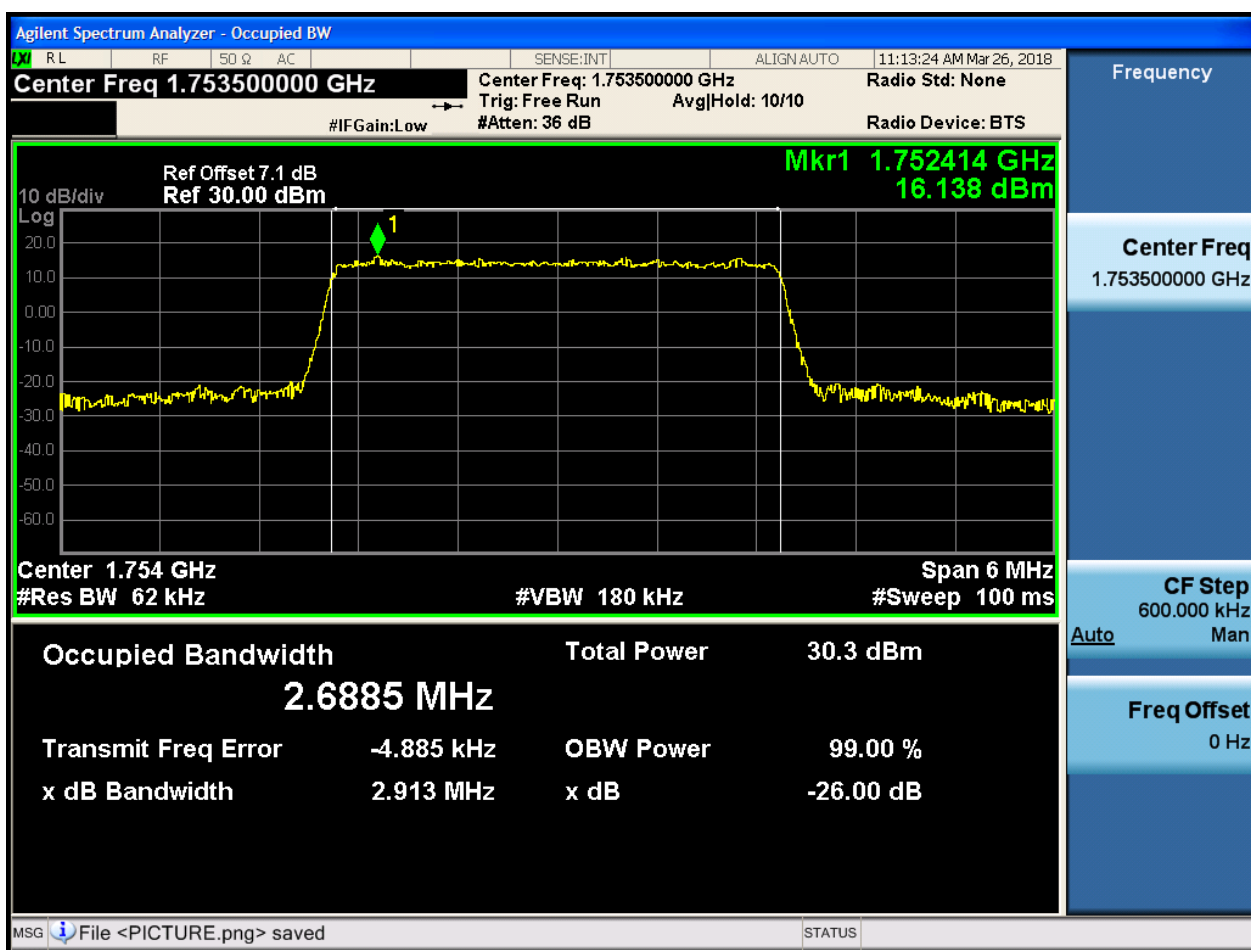
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

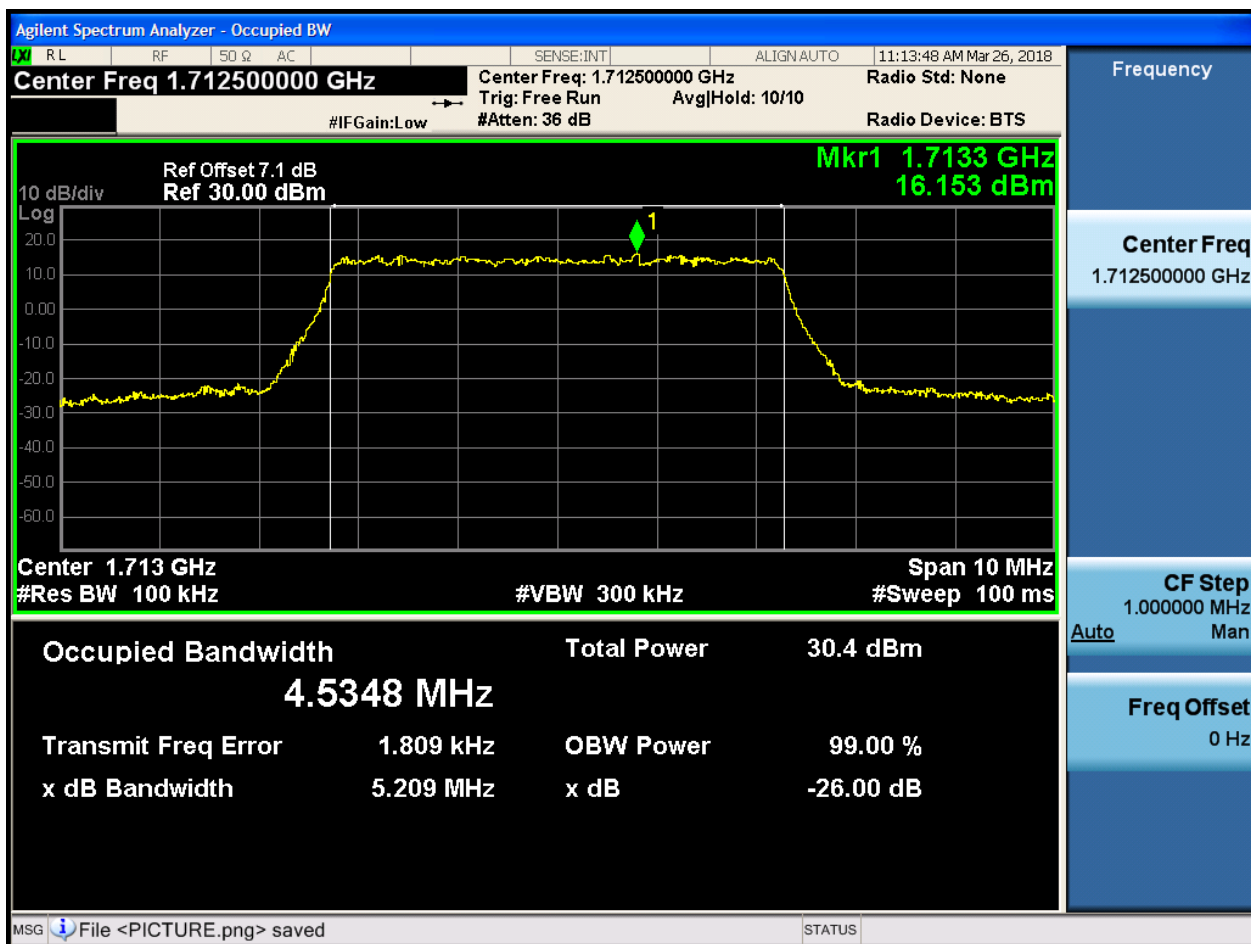
4.1.1.1.2.3.1 Test RB = RB15#0



4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

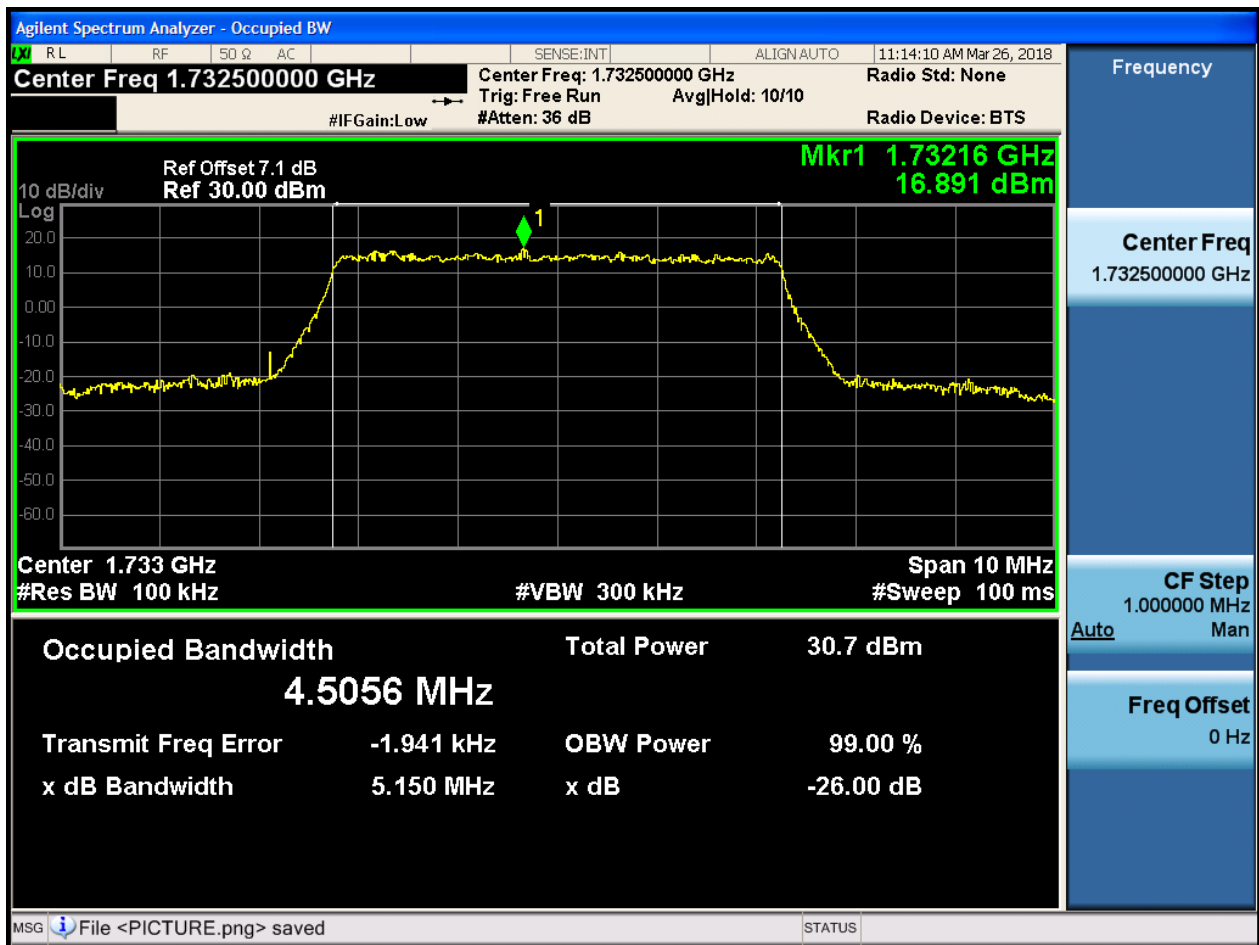
4.1.1.1.3.1.1 Test RB = RB25#0





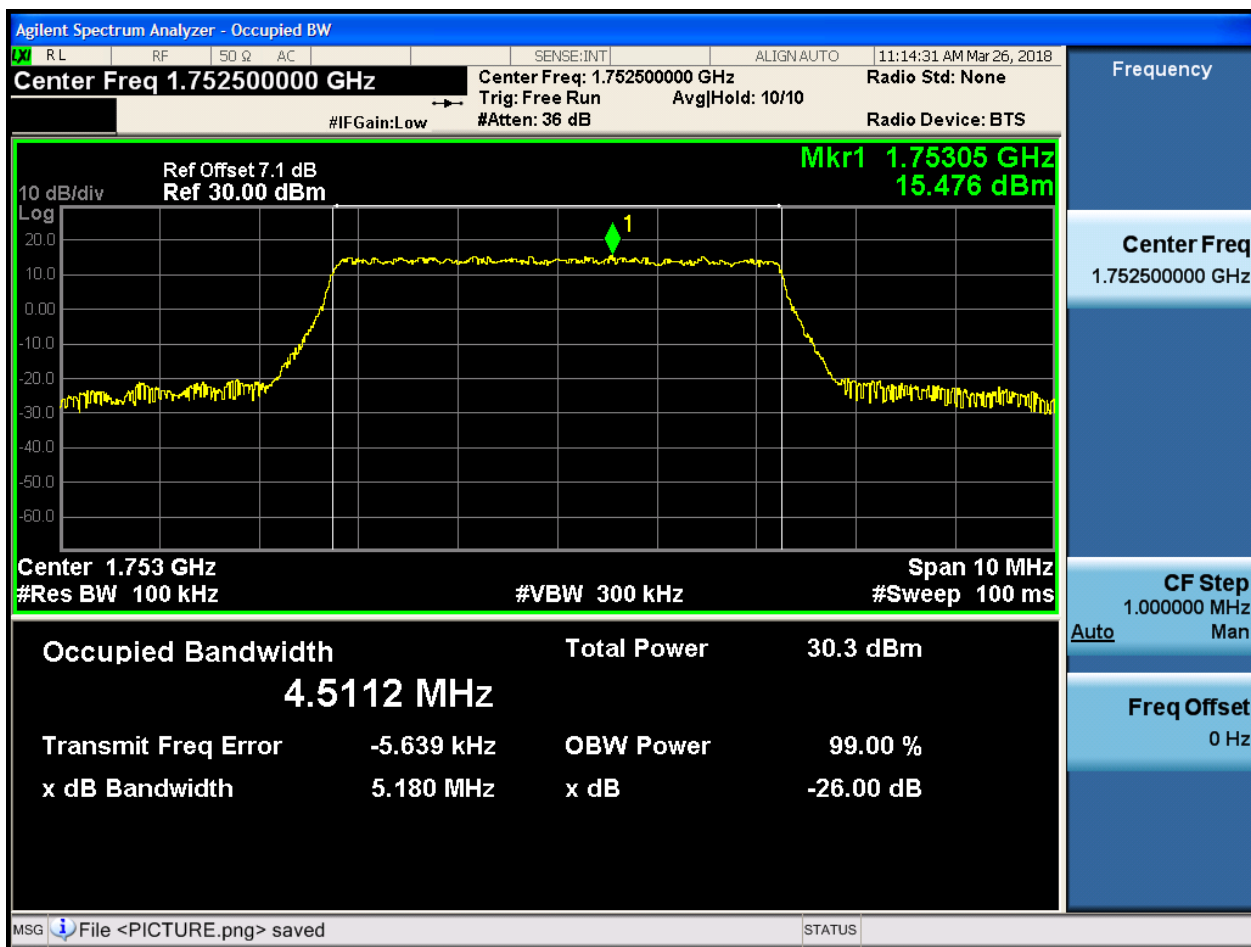
4.1.1.1.3.2 Test Channel = MCH

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

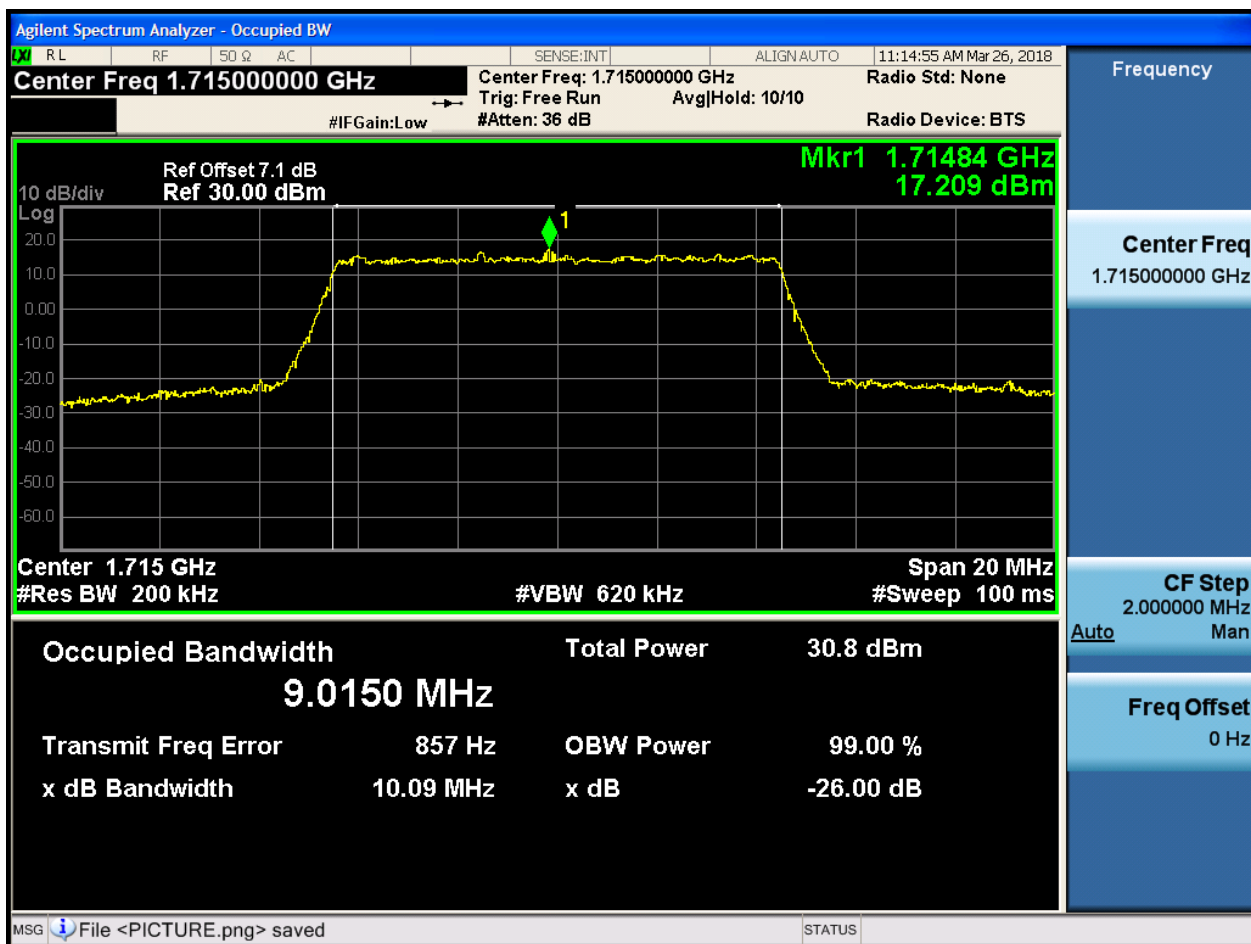




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

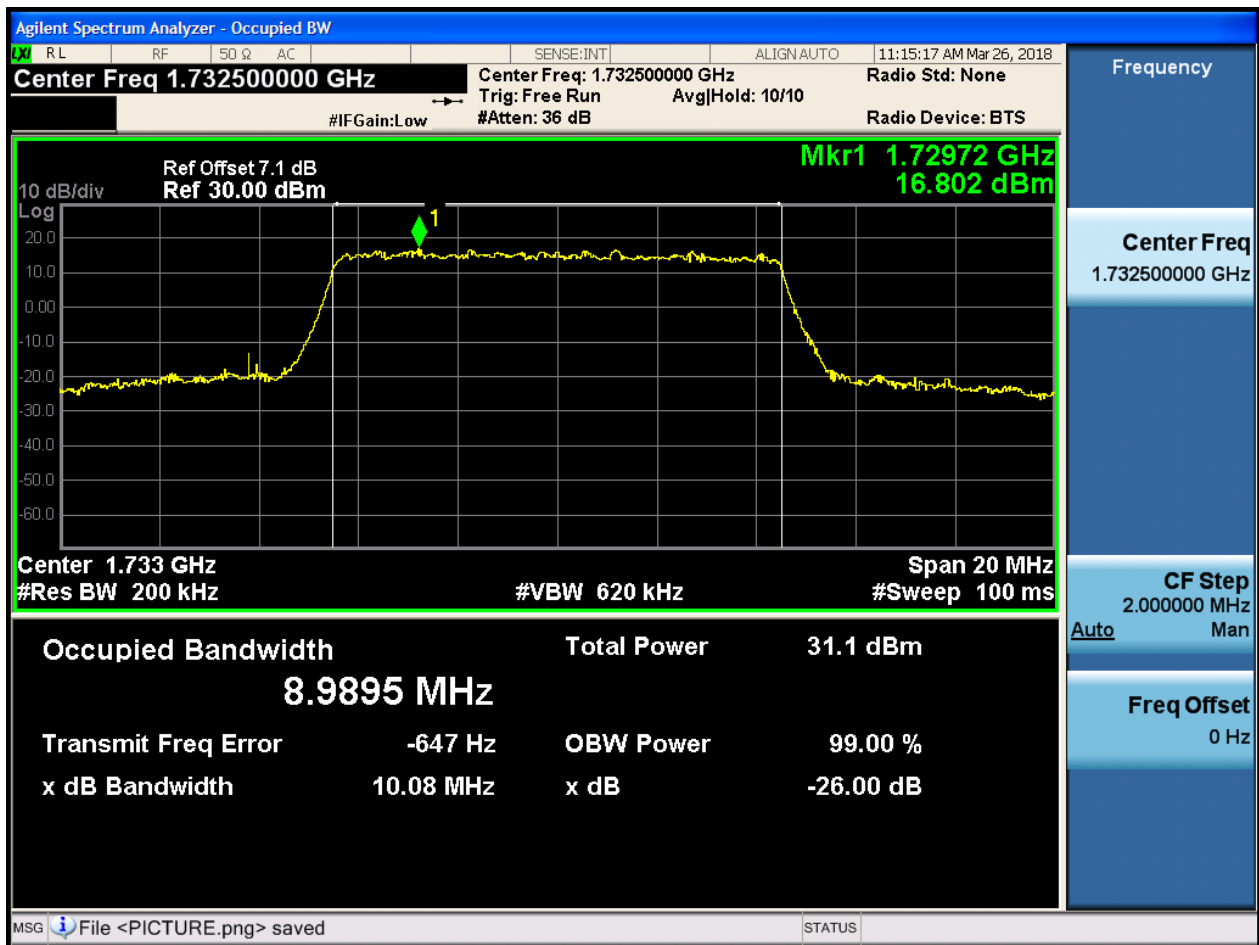
4.1.1.1.4.1.1 Test RB = RB50#0





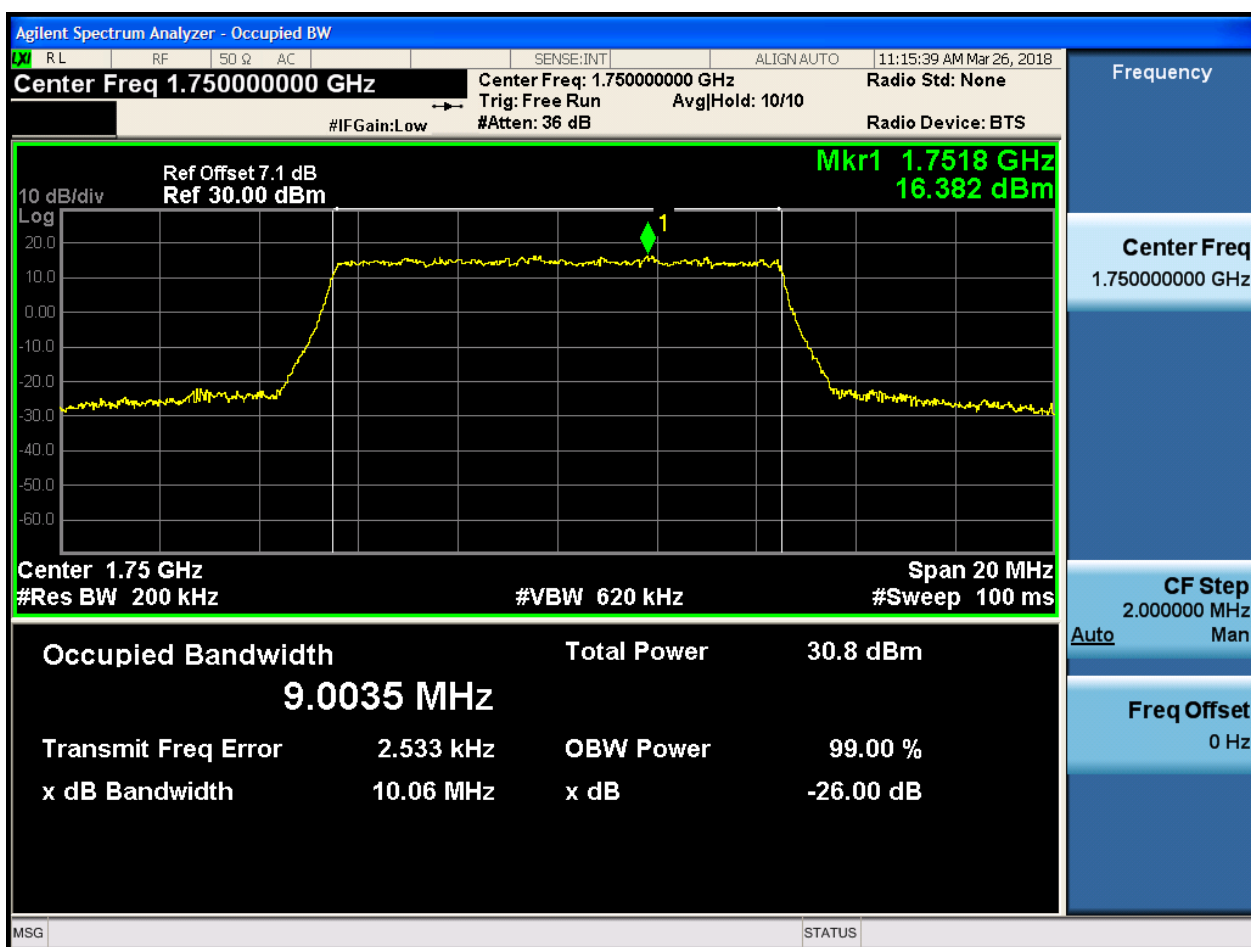
4.1.1.1.4.2 Test Channel = MCH

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

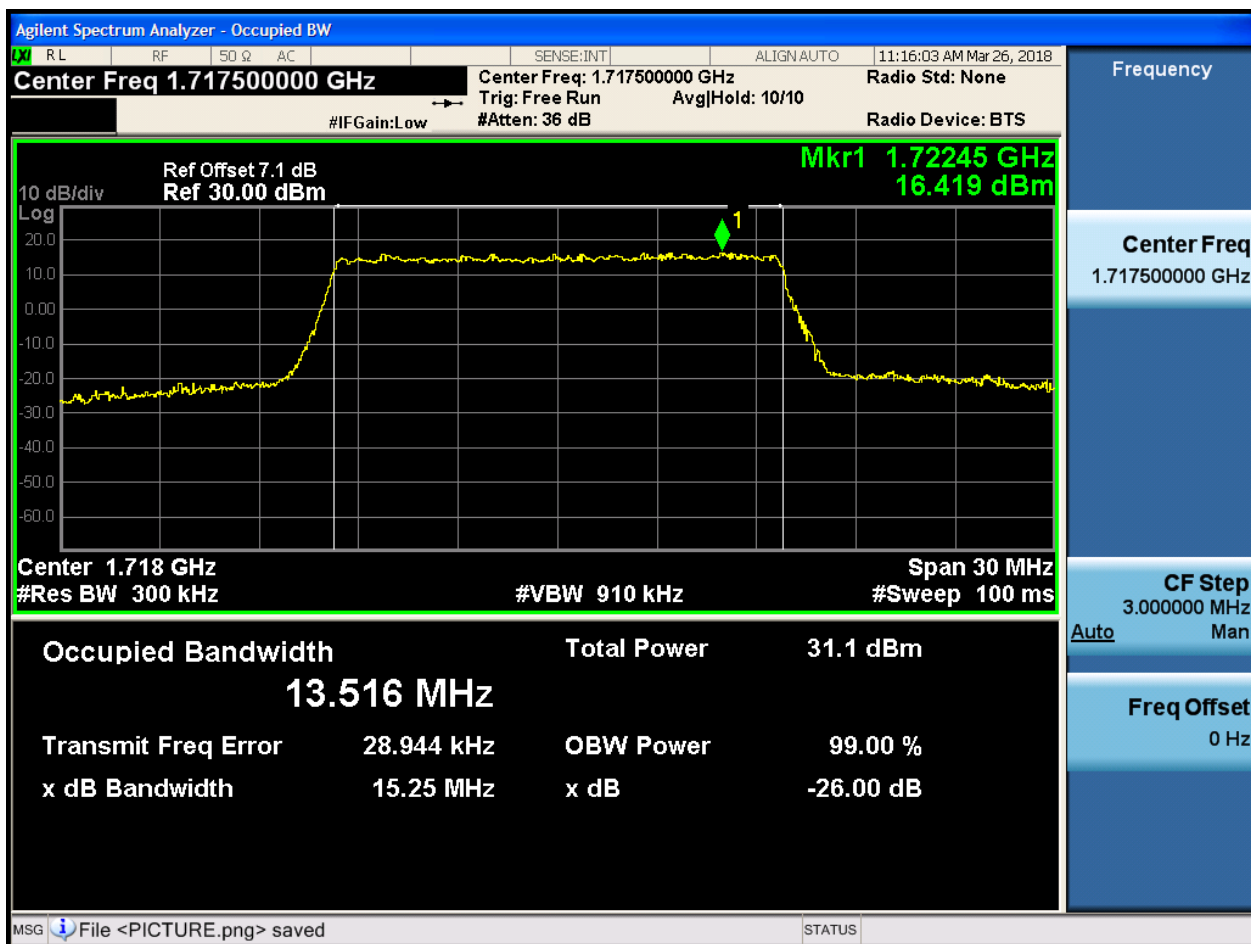




4.1.1.1.5 Test Bandwidth = 15

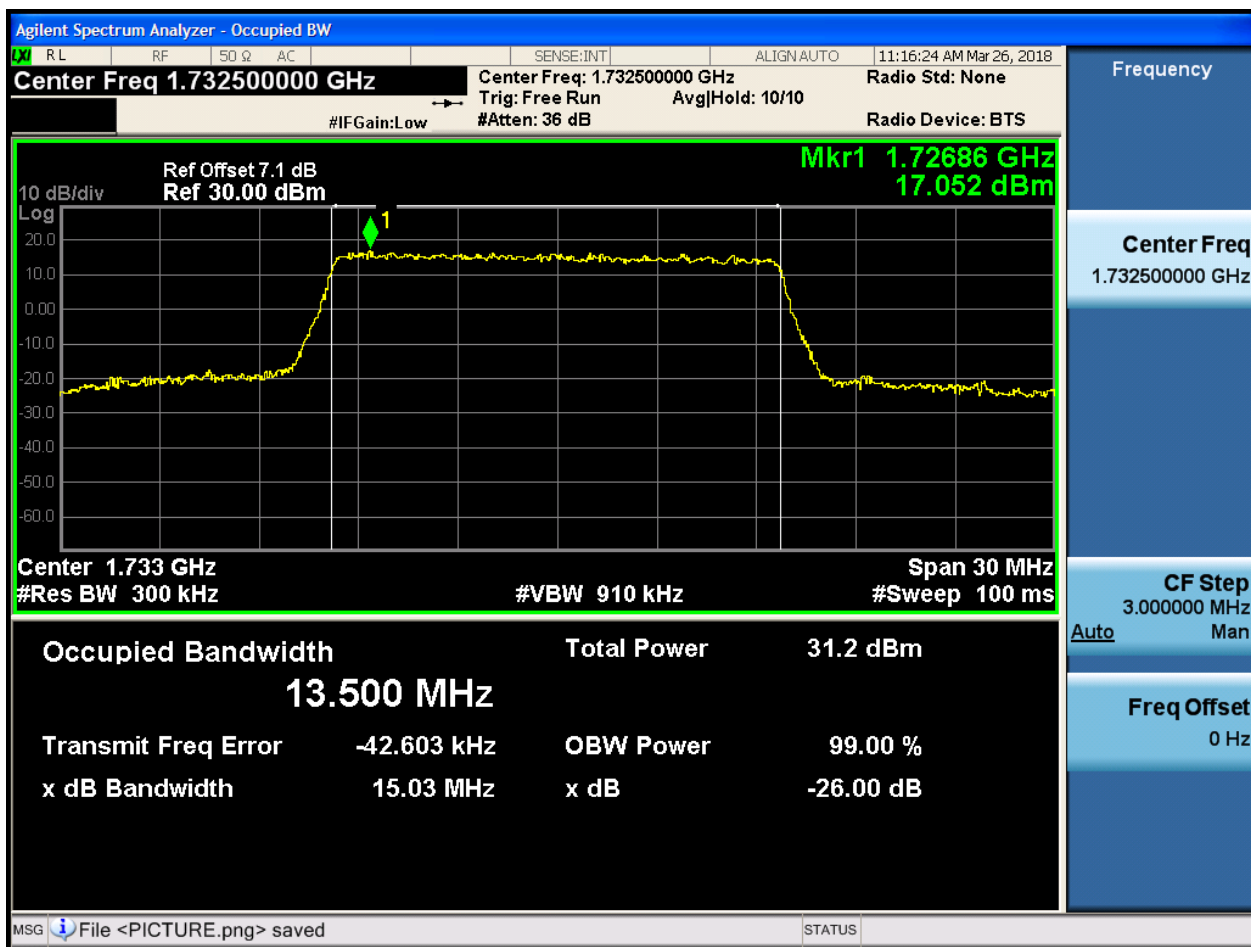
4.1.1.1.5.1 Test Channel = LCH

4.1.1.1.5.1.1 Test RB = RB75#0



4.1.1.1.5.2 Test Channel = MCH

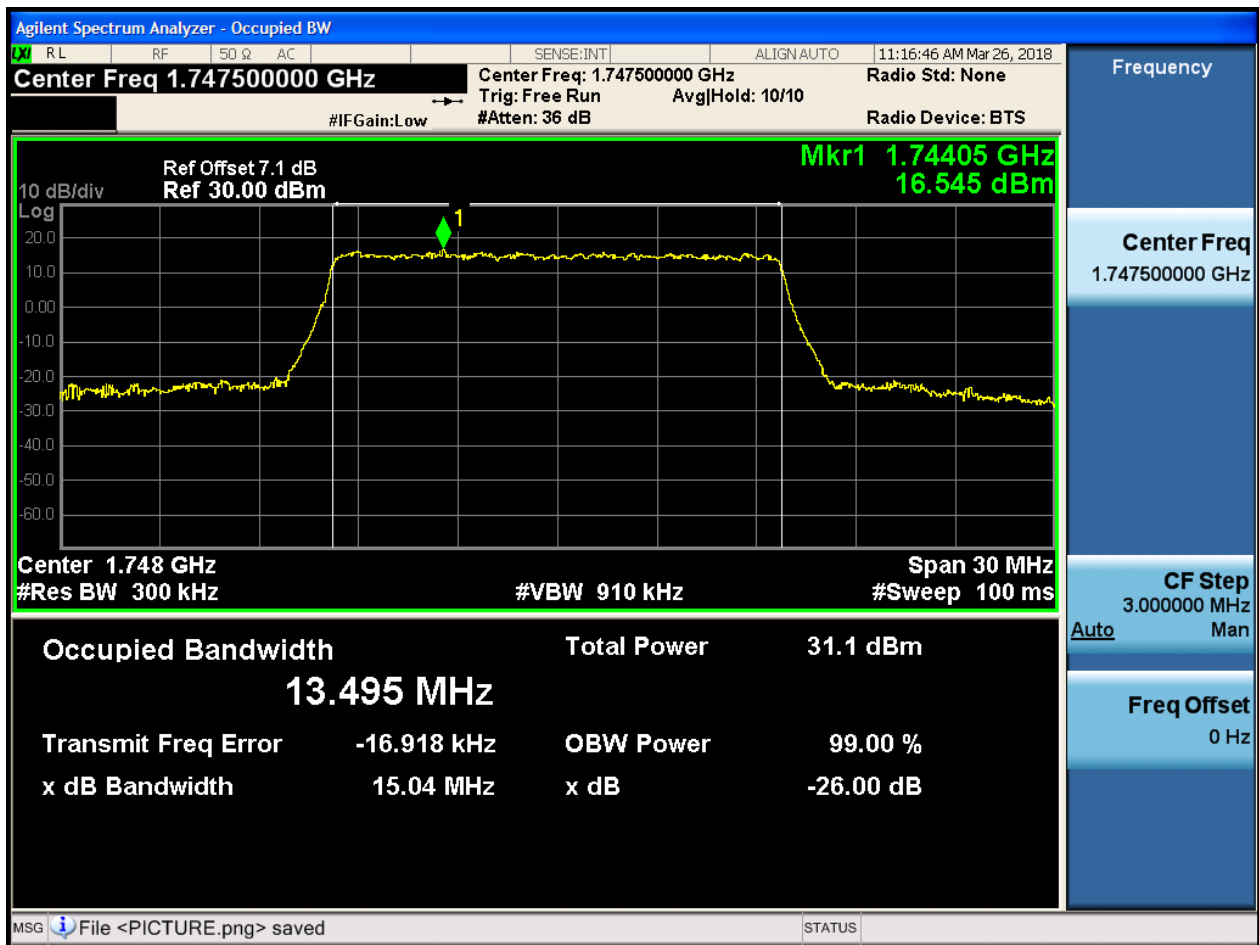
4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

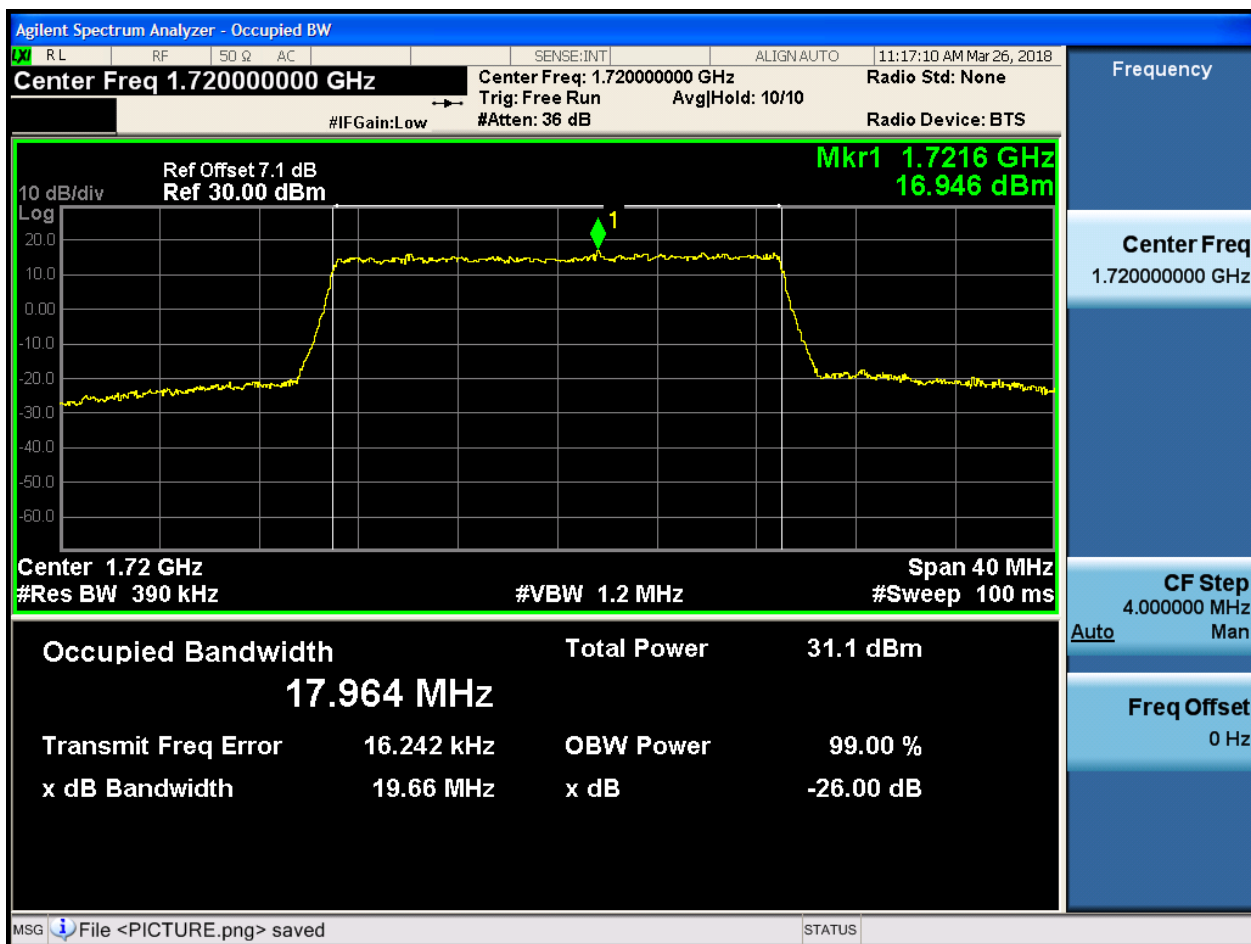
4.1.1.1.5.3.1 Test RB = RB75#0



4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

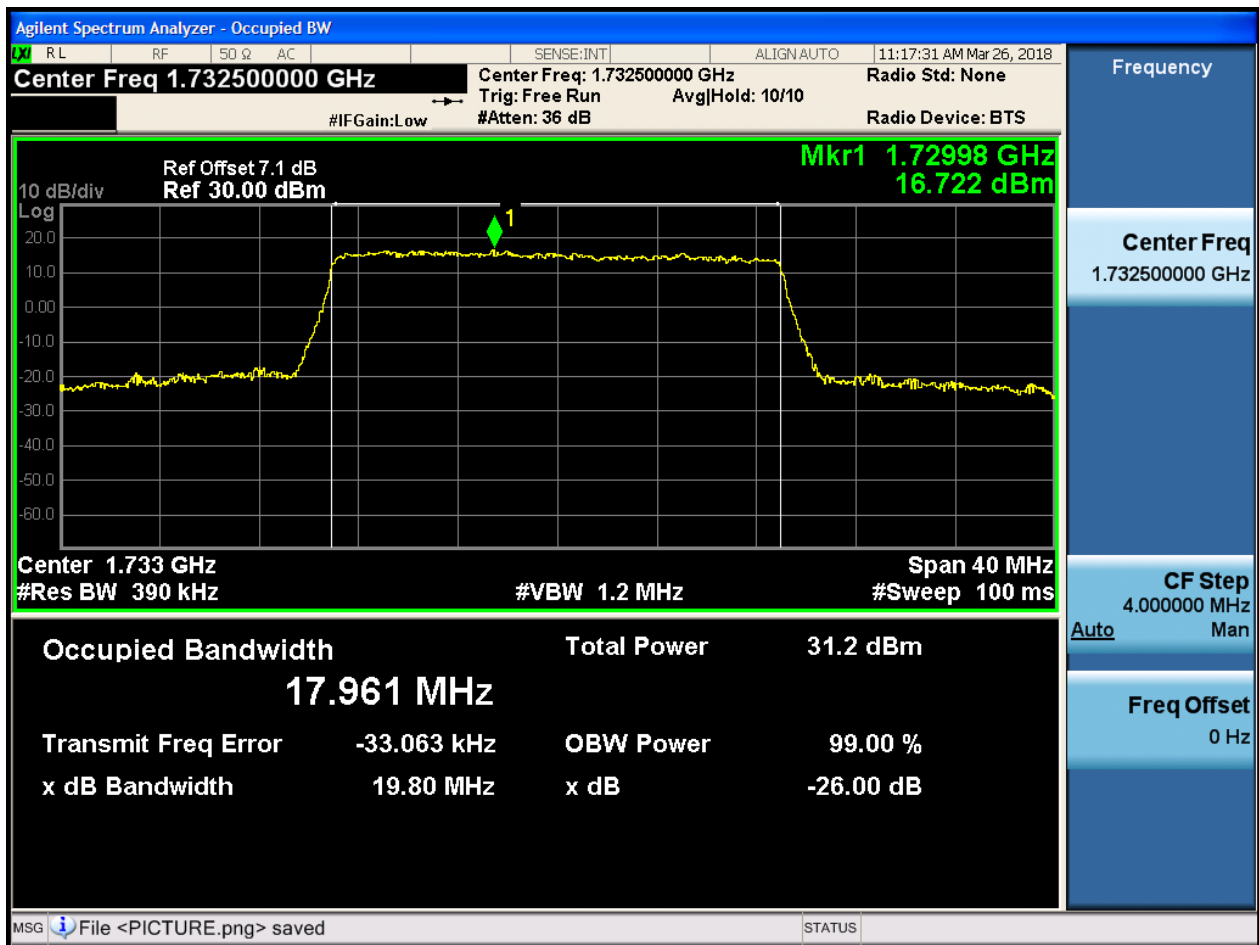
4.1.1.1.6.1.1 Test RB = RB100#0





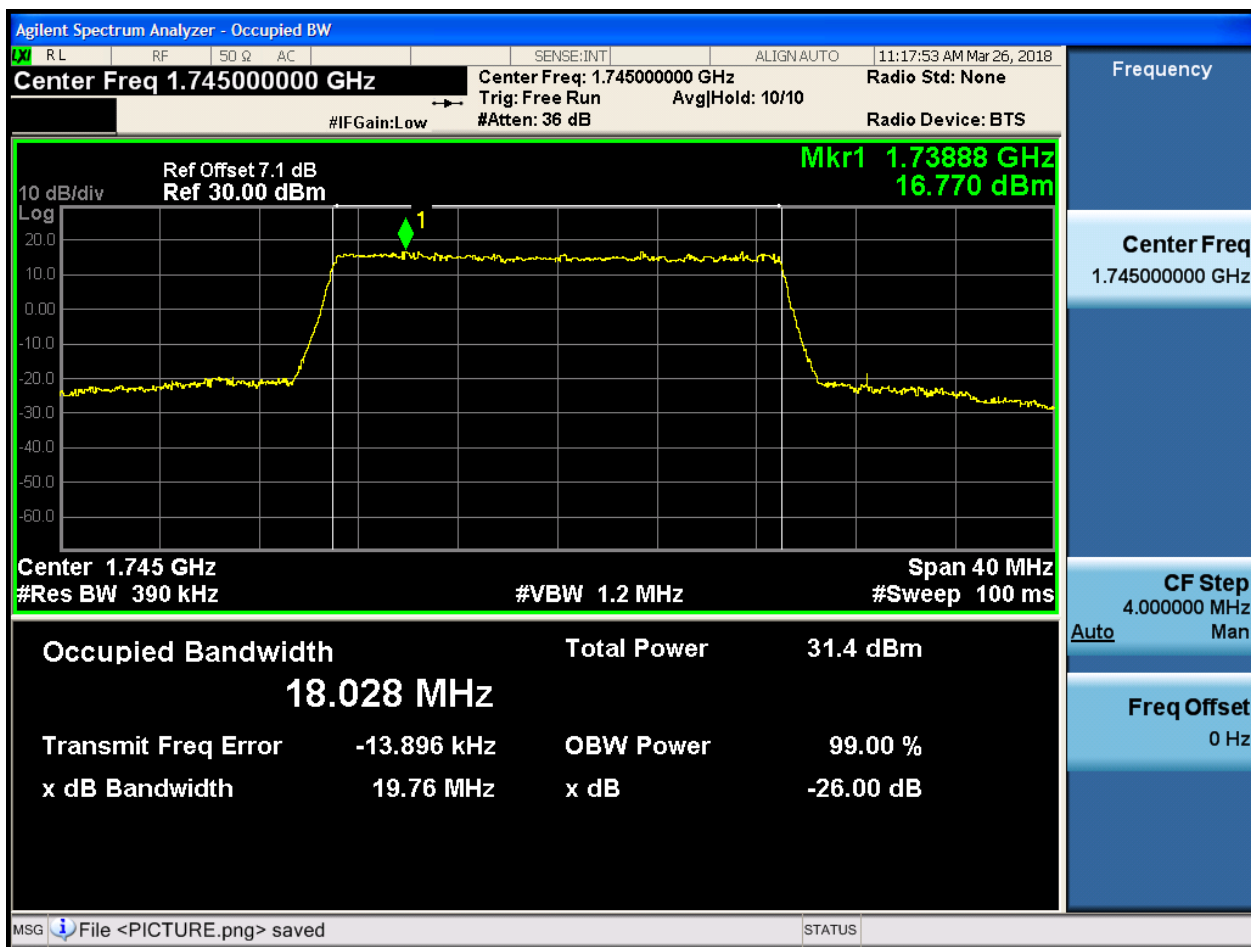
4.1.1.1.6.2 Test Channel = MCH

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



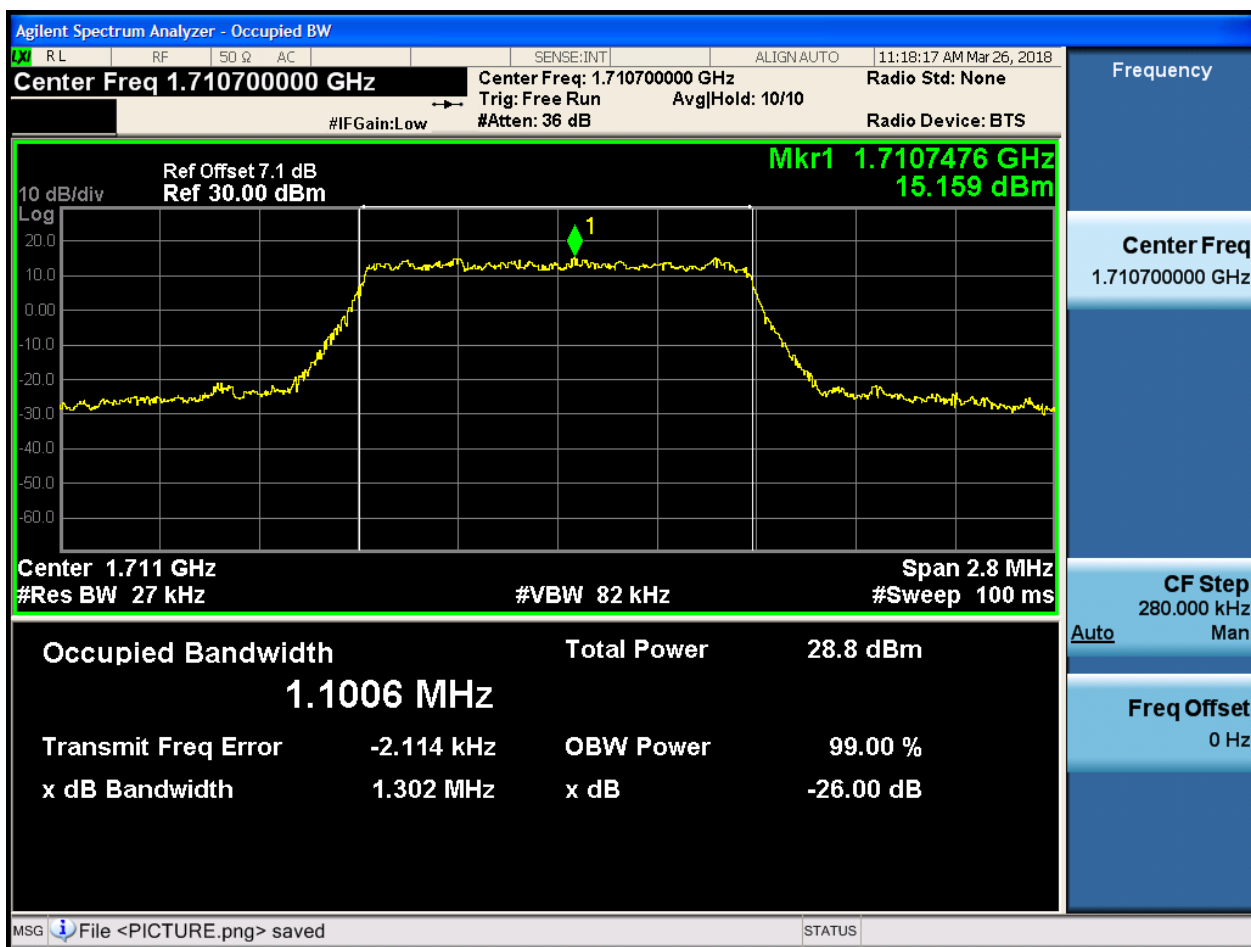


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

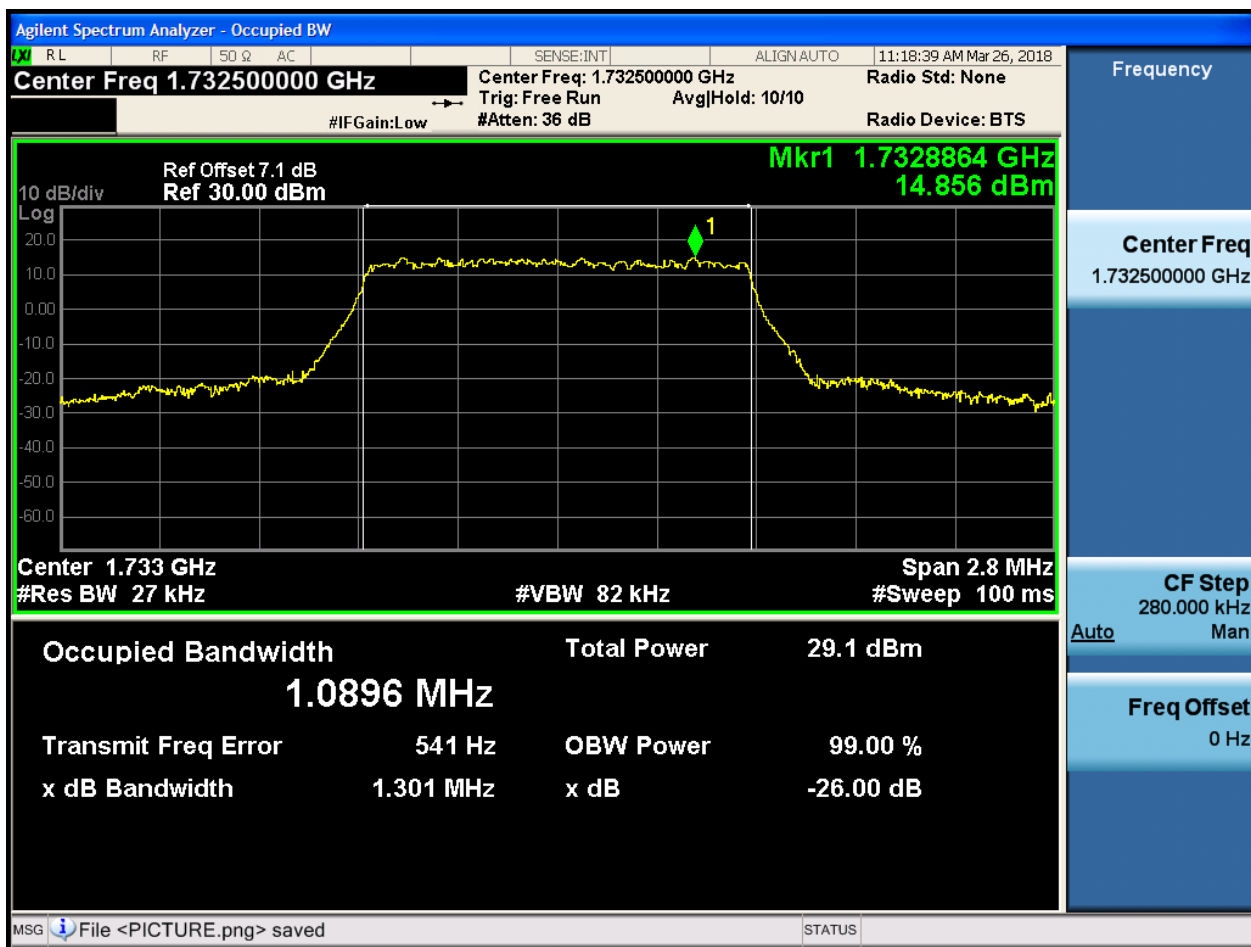
4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB6#0



4.1.1.2.1.2 Test Channel = MCH

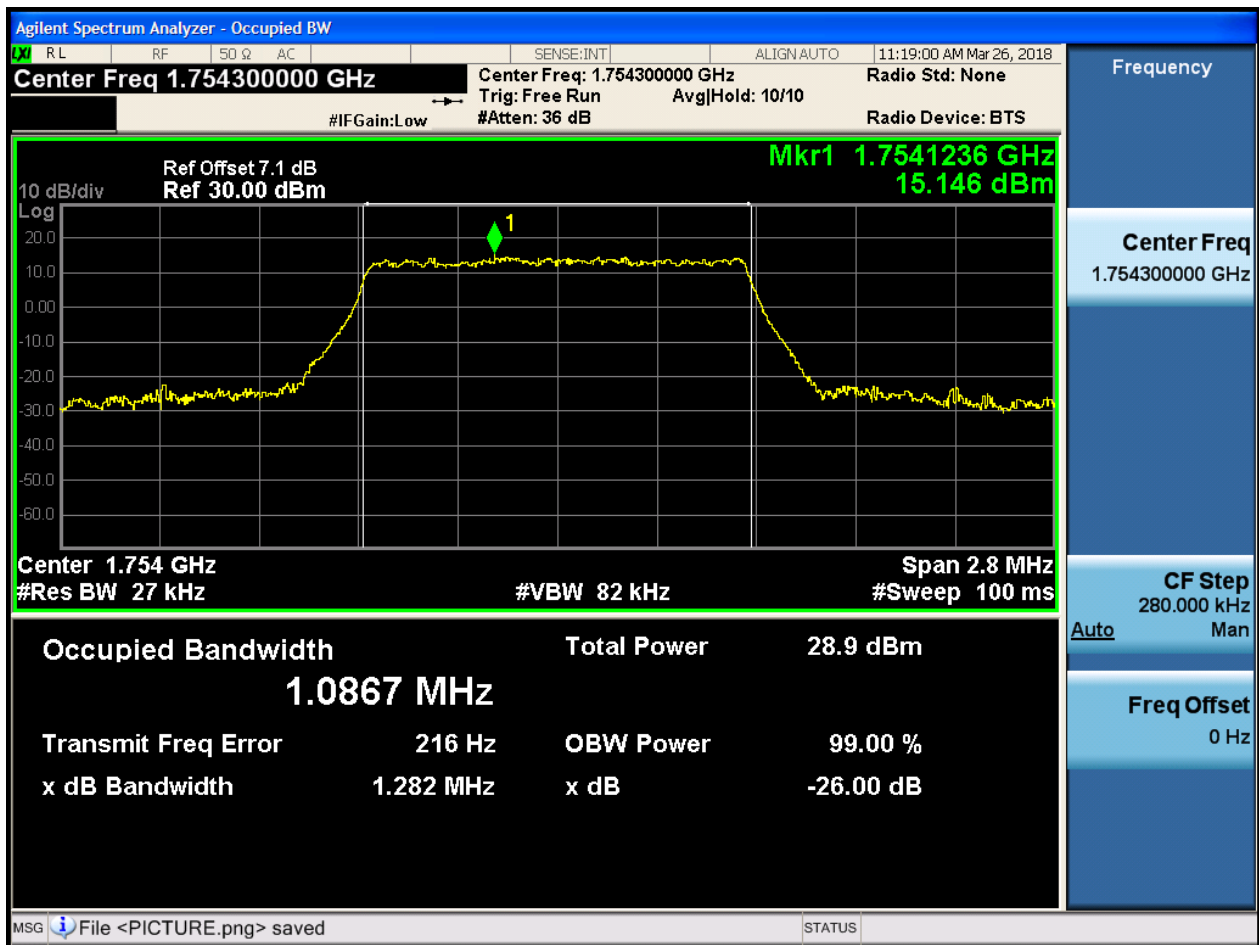
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

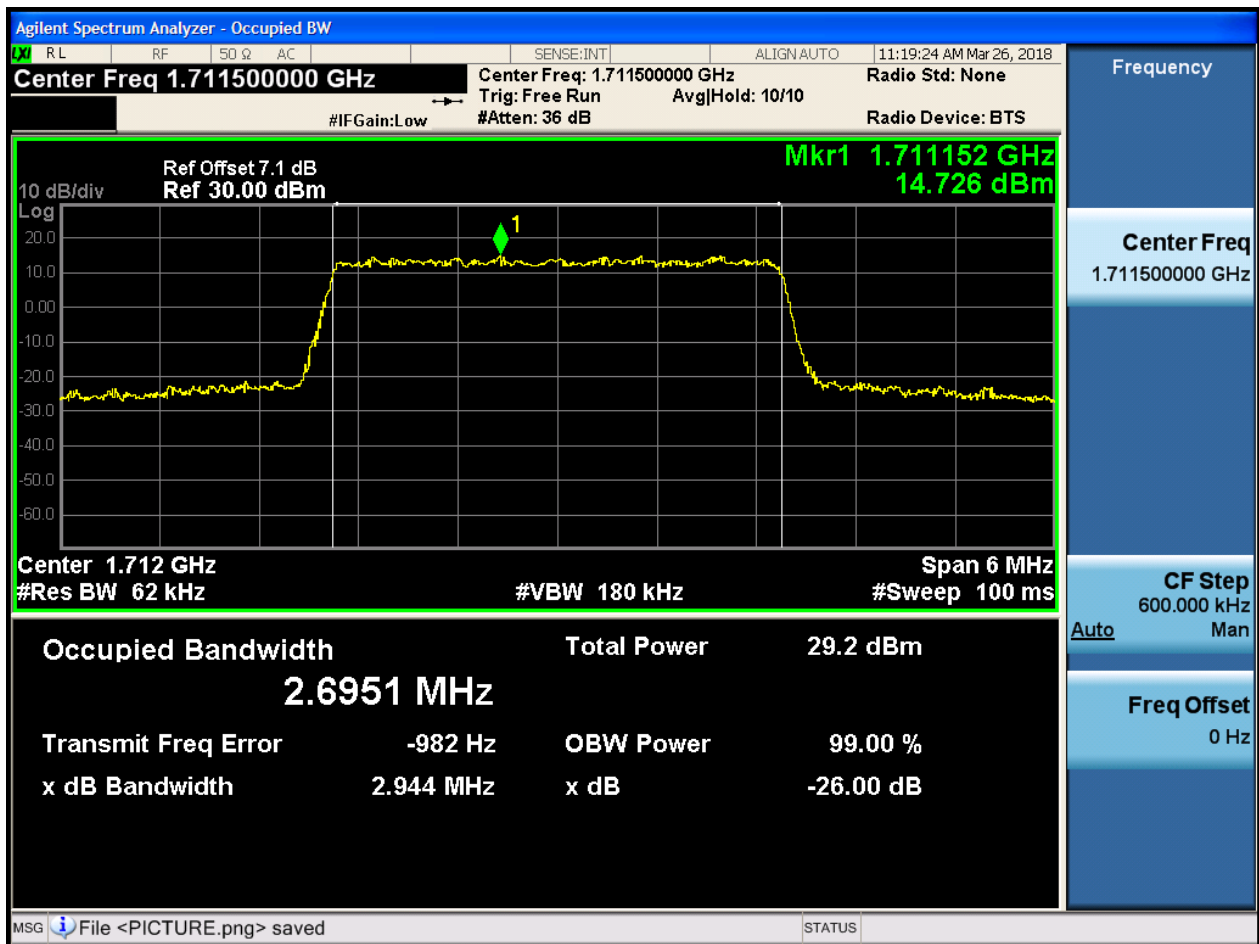




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

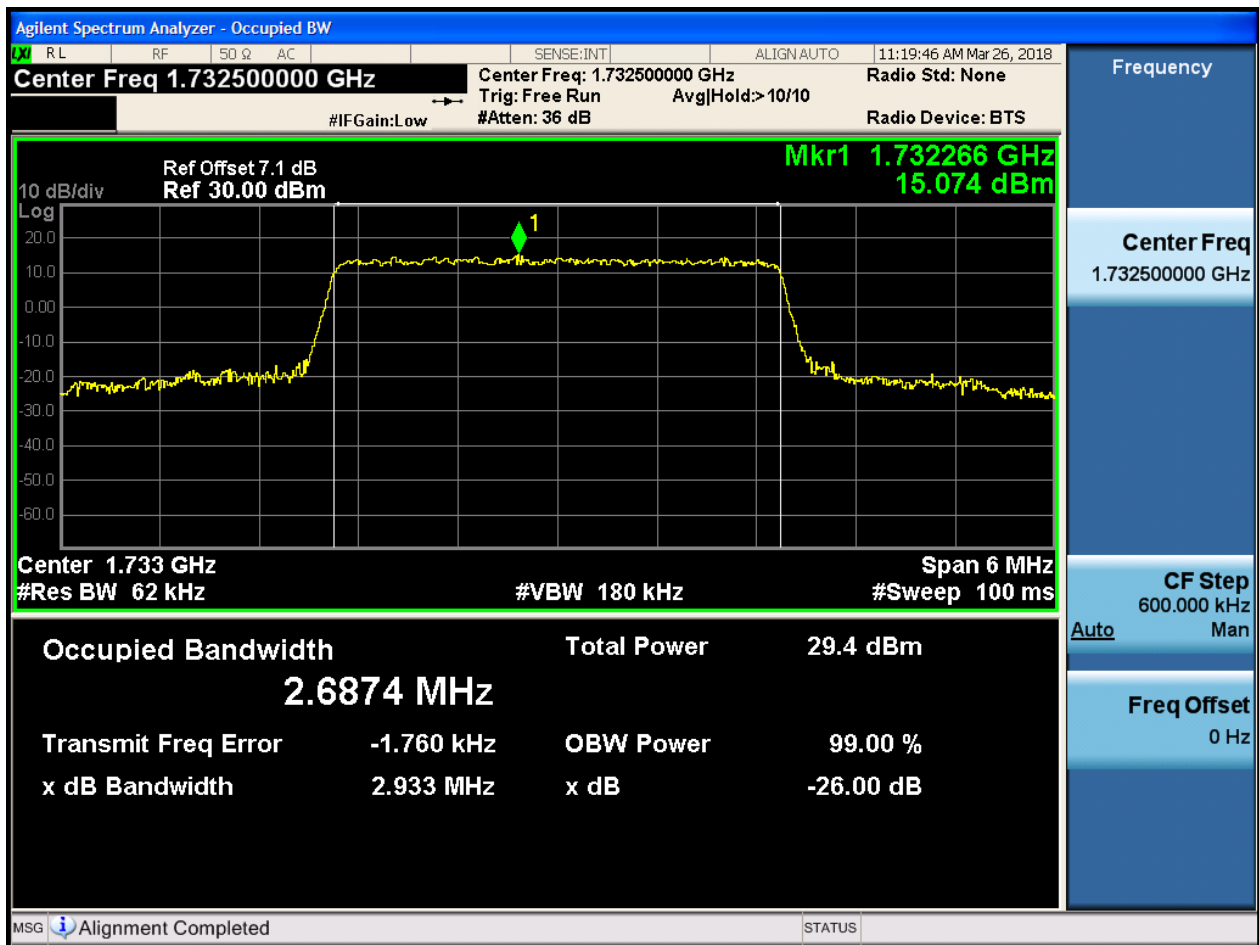
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

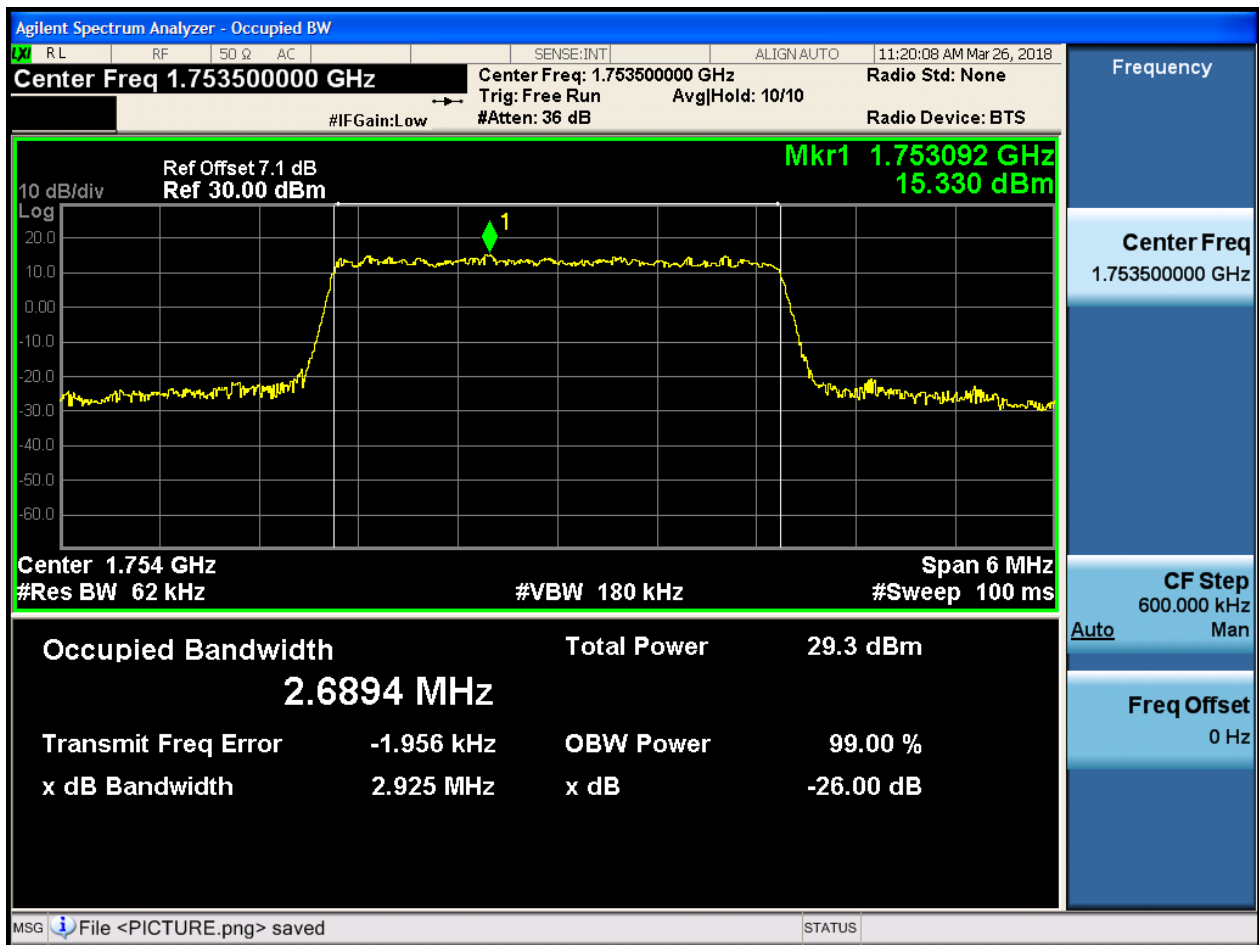
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

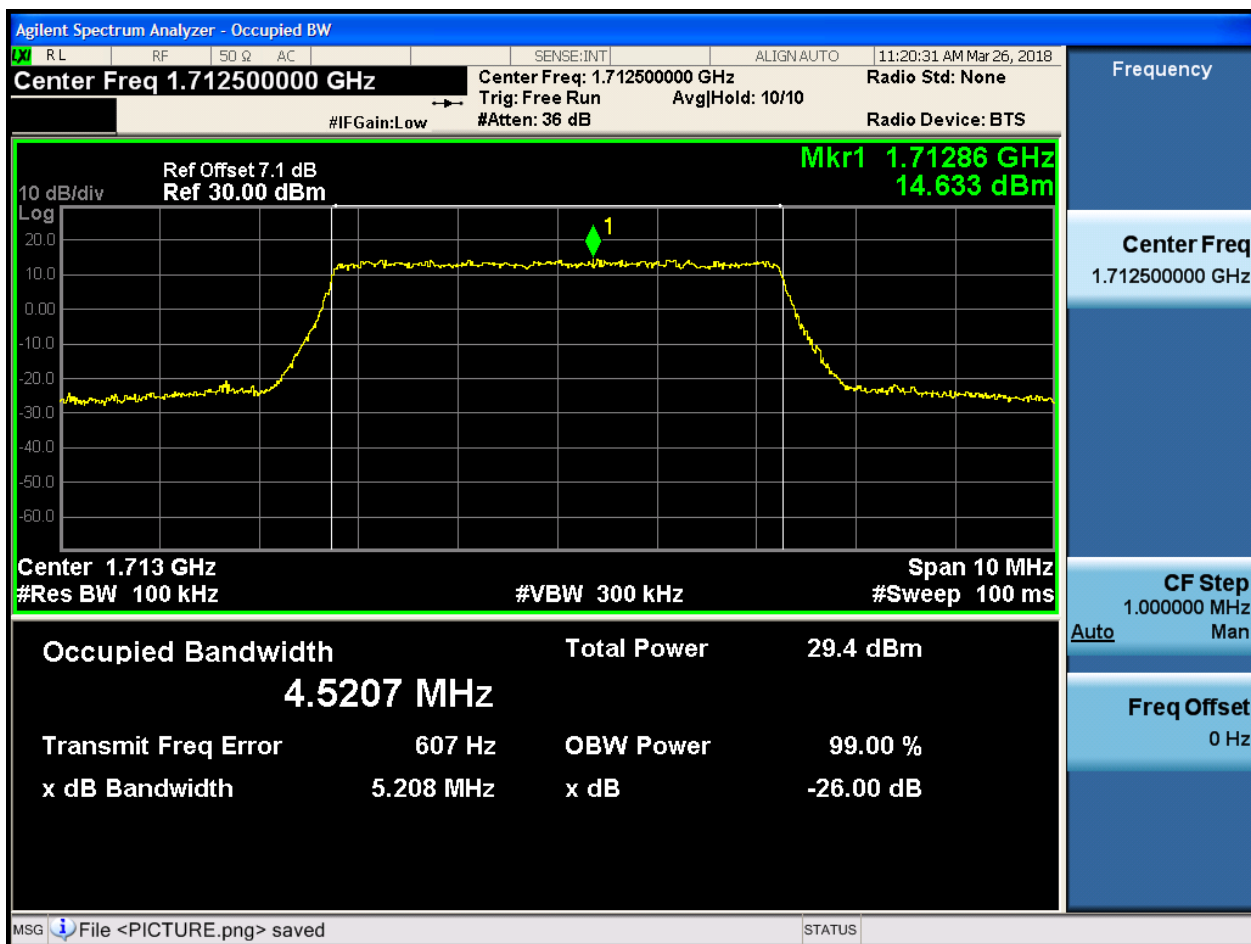
4.1.1.2.2.3.1 Test RB = RB15#0



4.1.1.2.3 Test Bandwidth = 5

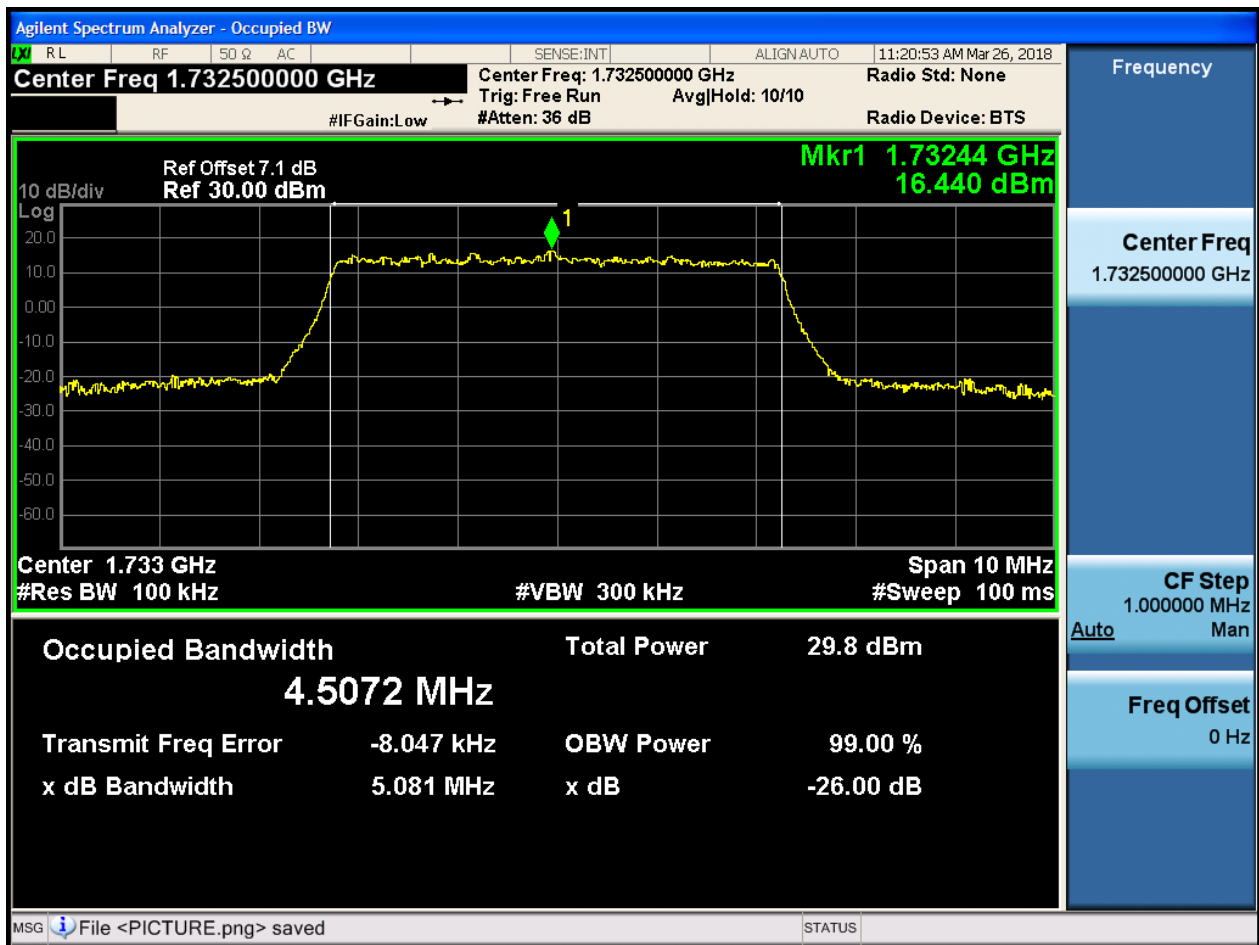
4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0



4.1.1.2.3.2 Test Channel = MCH

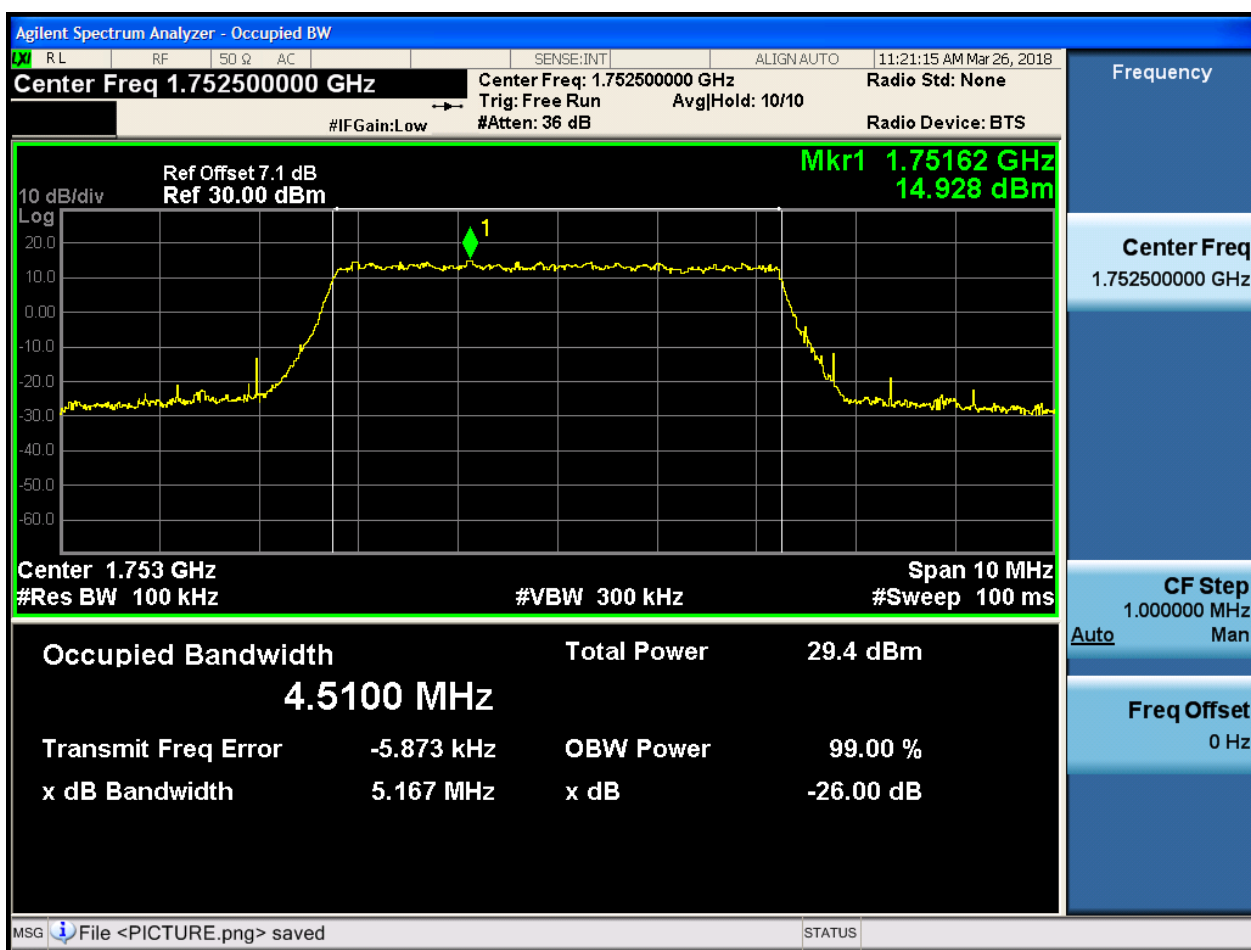
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

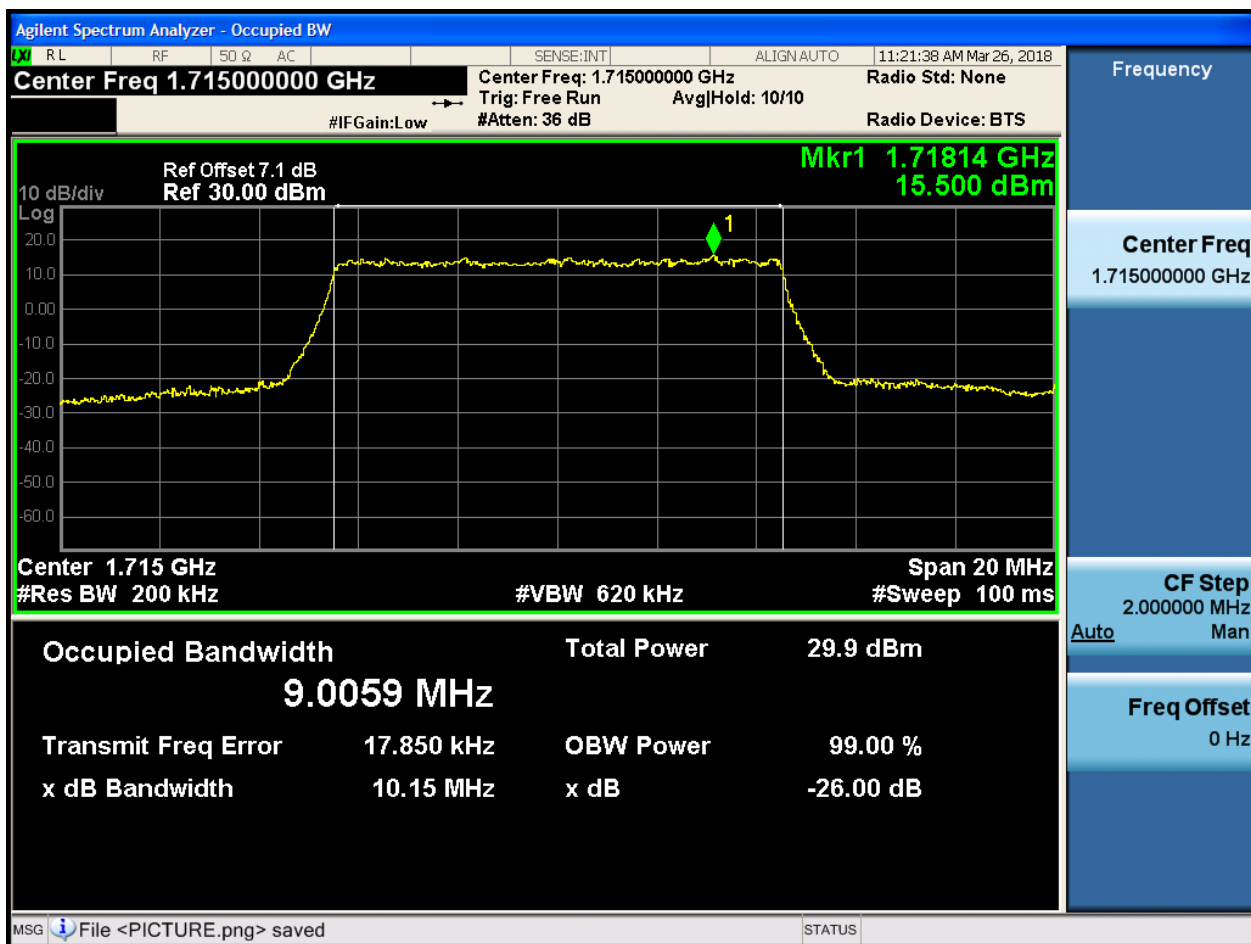
4.1.1.2.3.3.1 Test RB = RB25#0



4.1.1.2.4 Test Bandwidth = 10

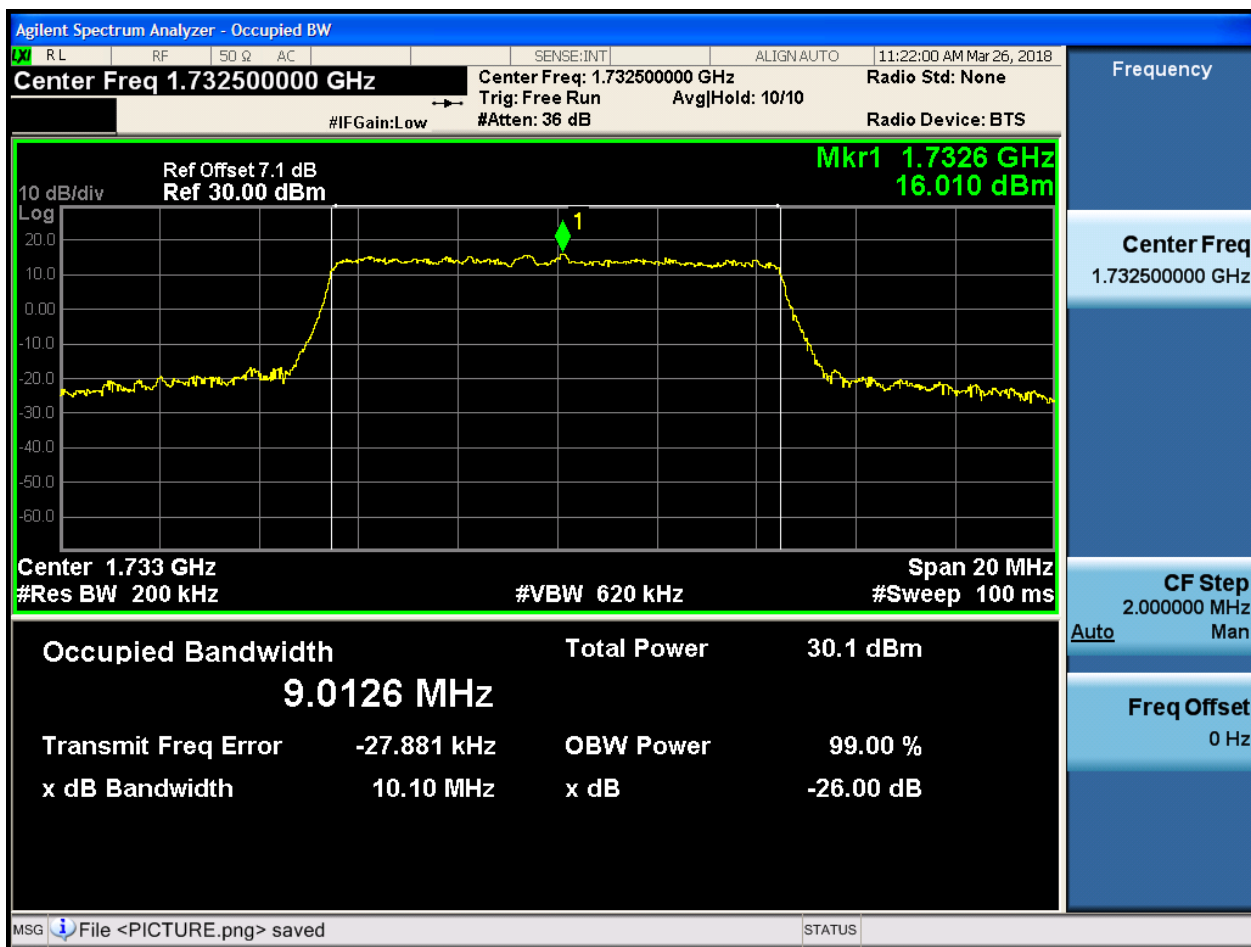
4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB50#0



4.1.1.2.4.2 Test Channel = MCH

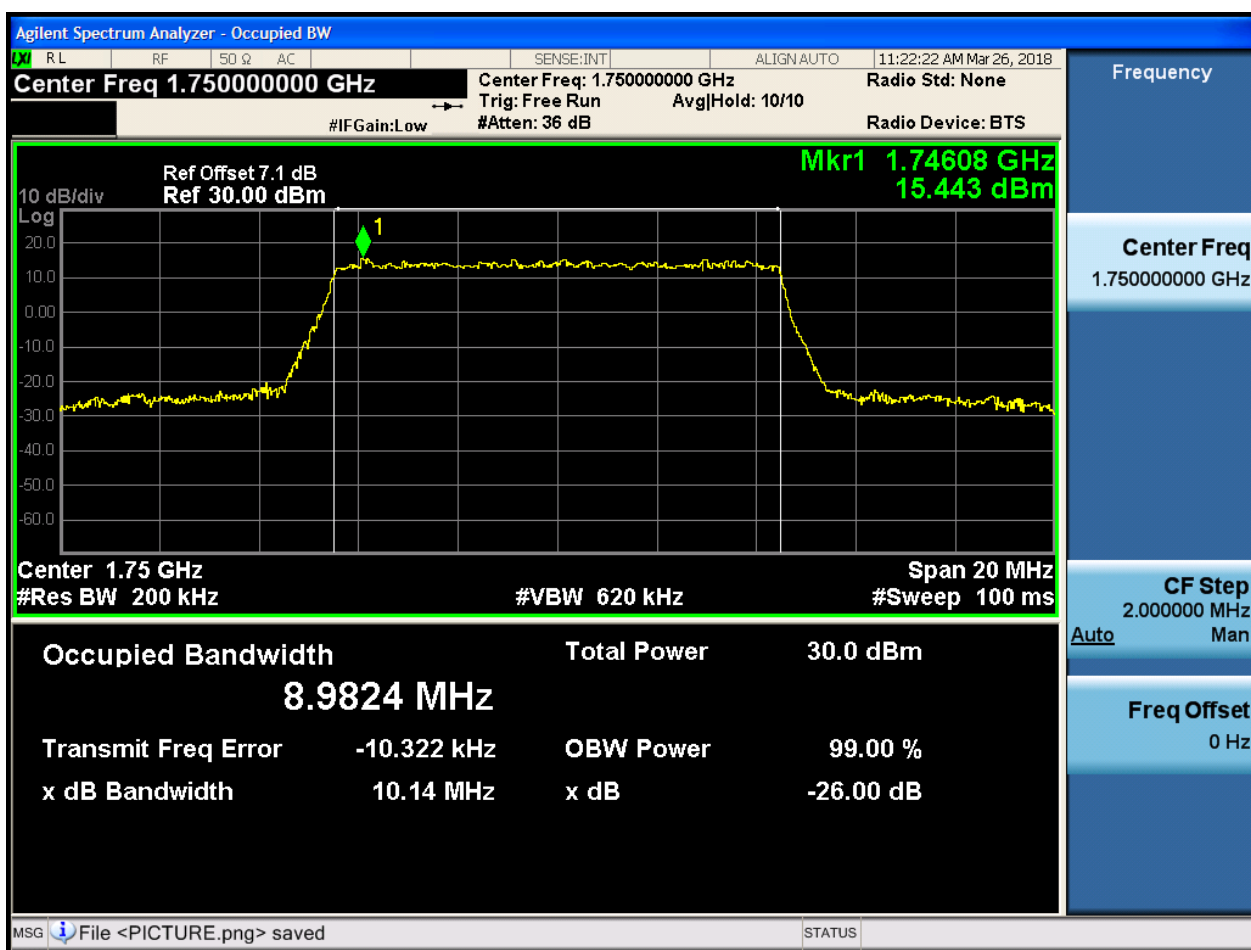
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

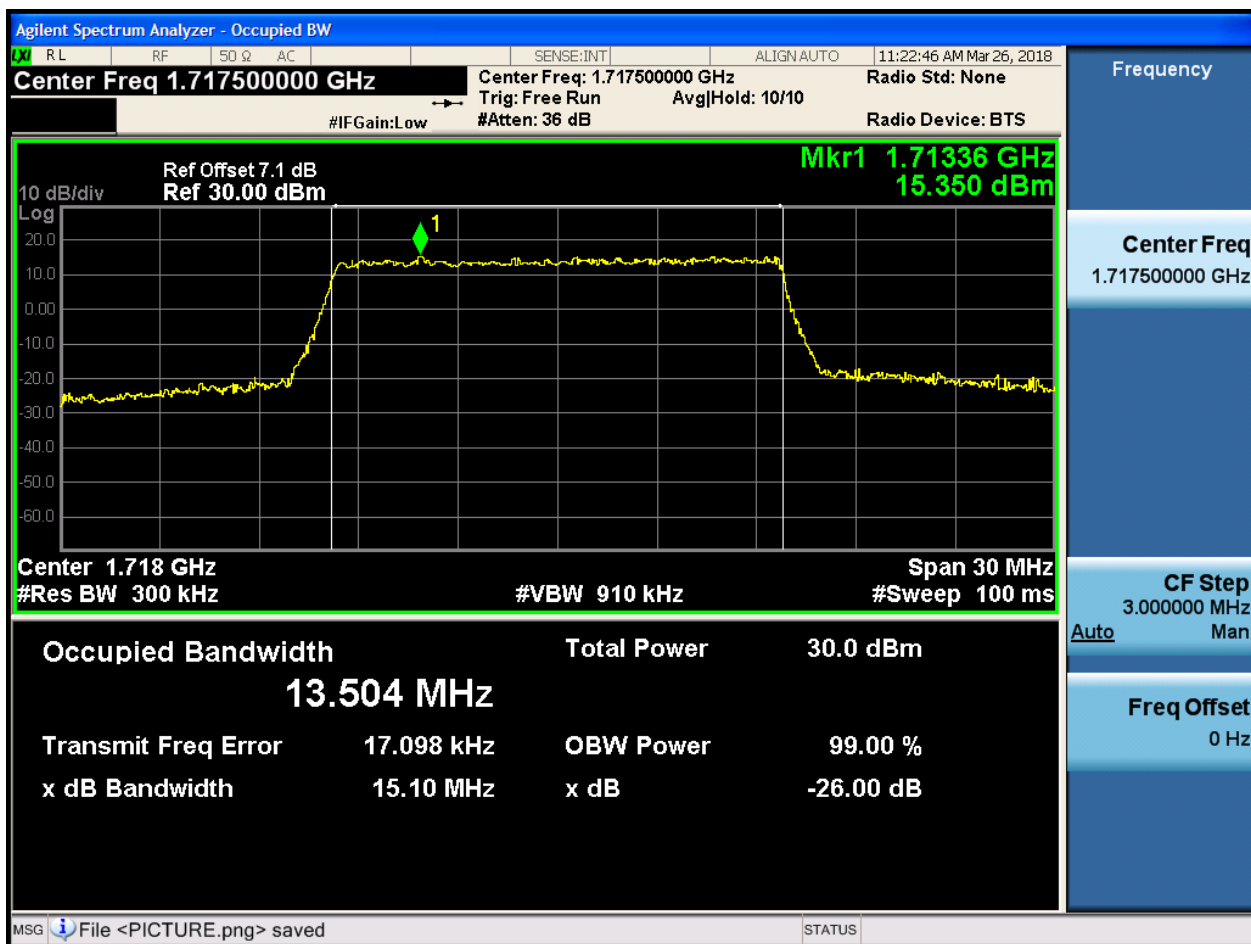
4.1.1.2.4.3.1 Test RB = RB50#0



4.1.1.2.5 Test Bandwidth = 15

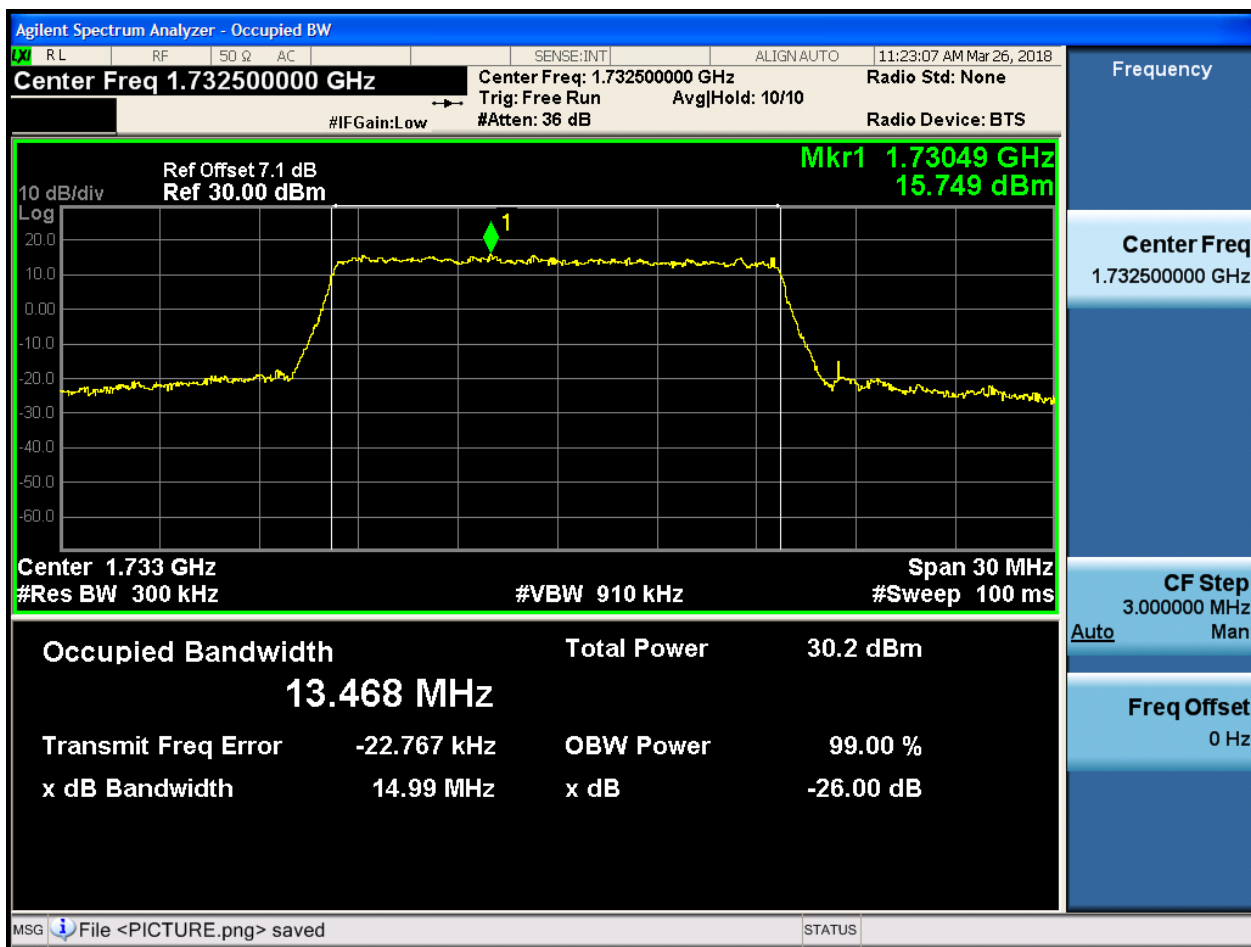
4.1.1.2.5.1 Test Channel = LCH

4.1.1.2.5.1.1 Test RB = RB75#0



4.1.1.2.5.2 Test Channel = MCH

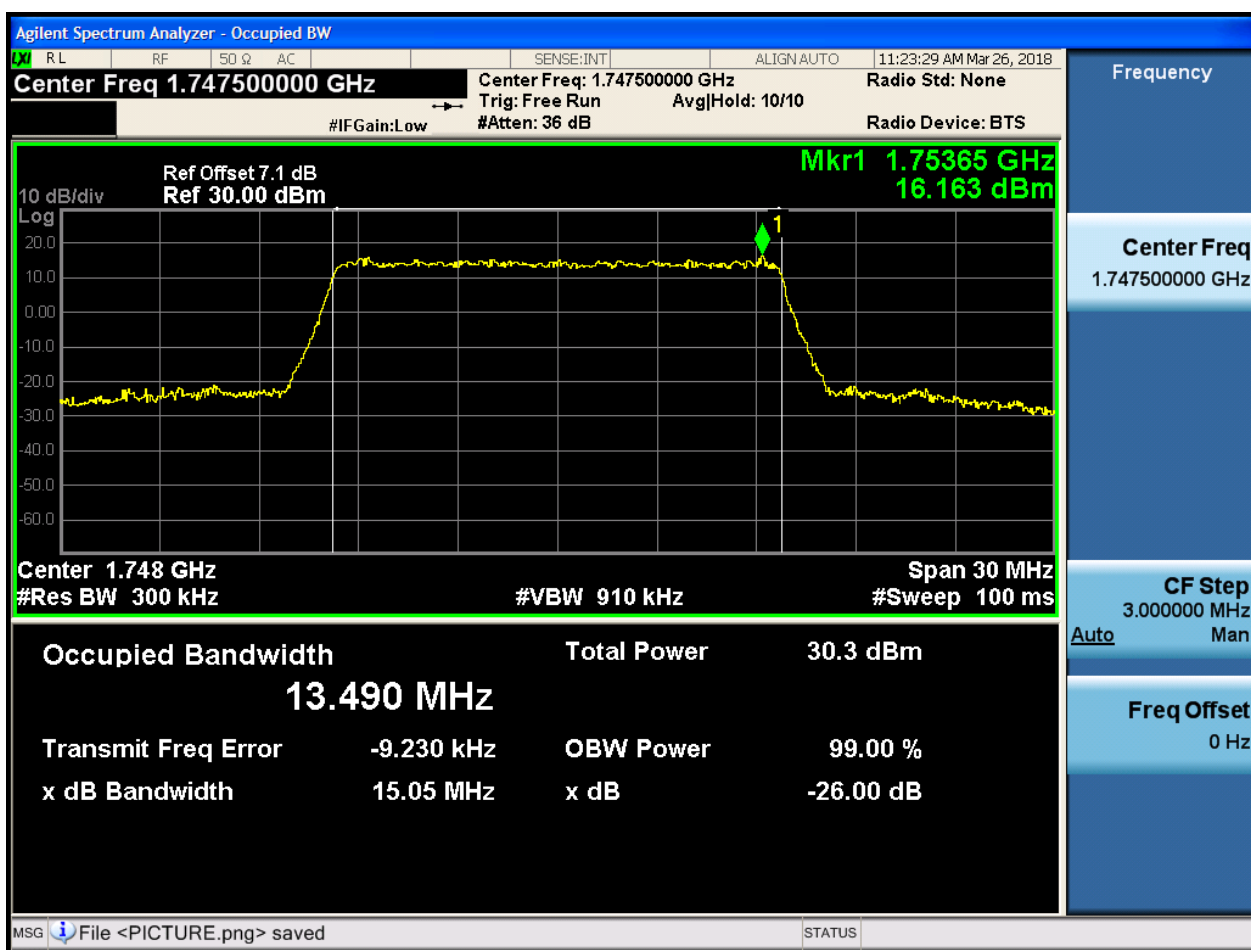
4.1.1.2.5.2.1 Test RB = RB75#0





4.1.1.2.5.3 Test Channel = HCH

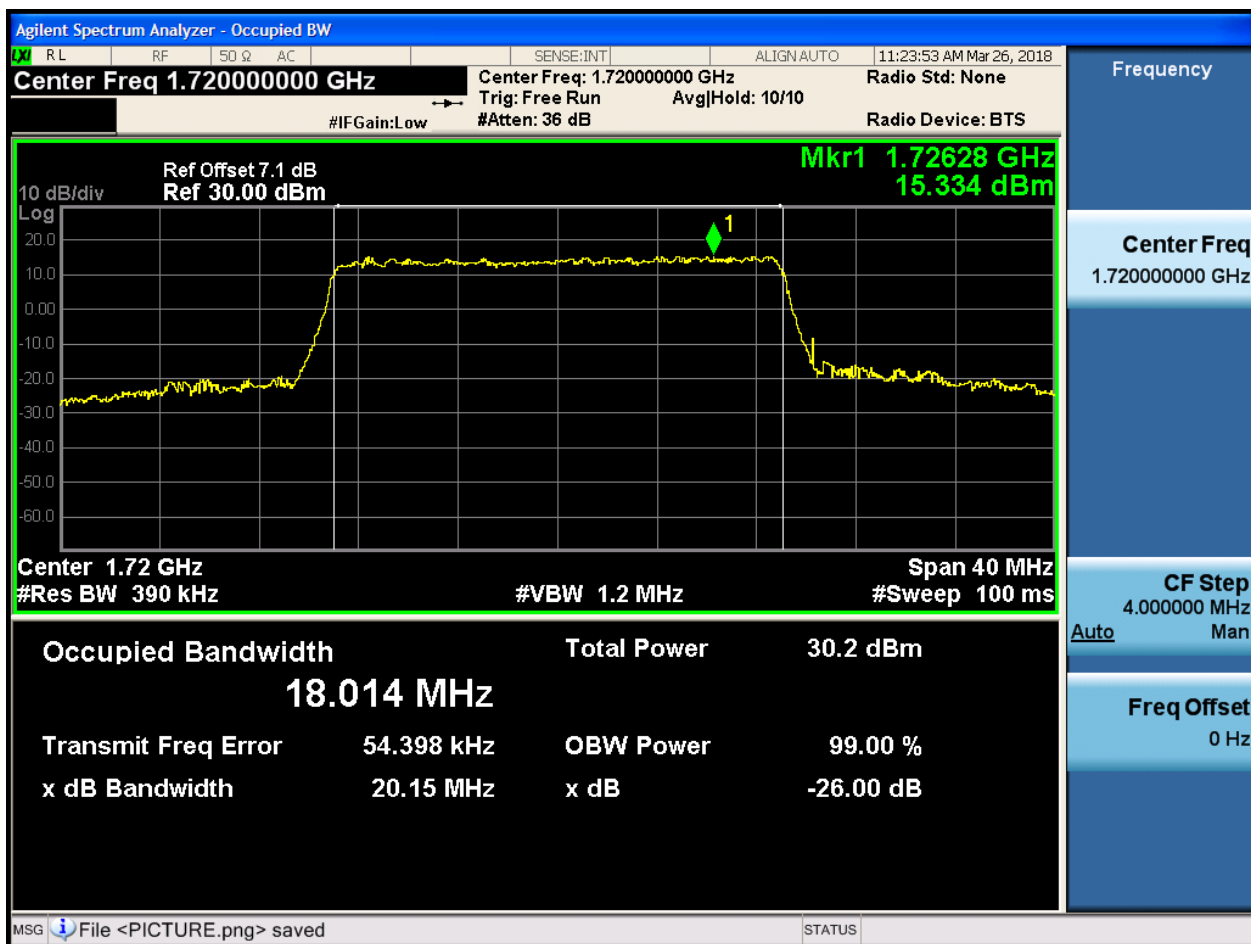
4.1.1.2.5.3.1 Test RB = RB75#0



4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

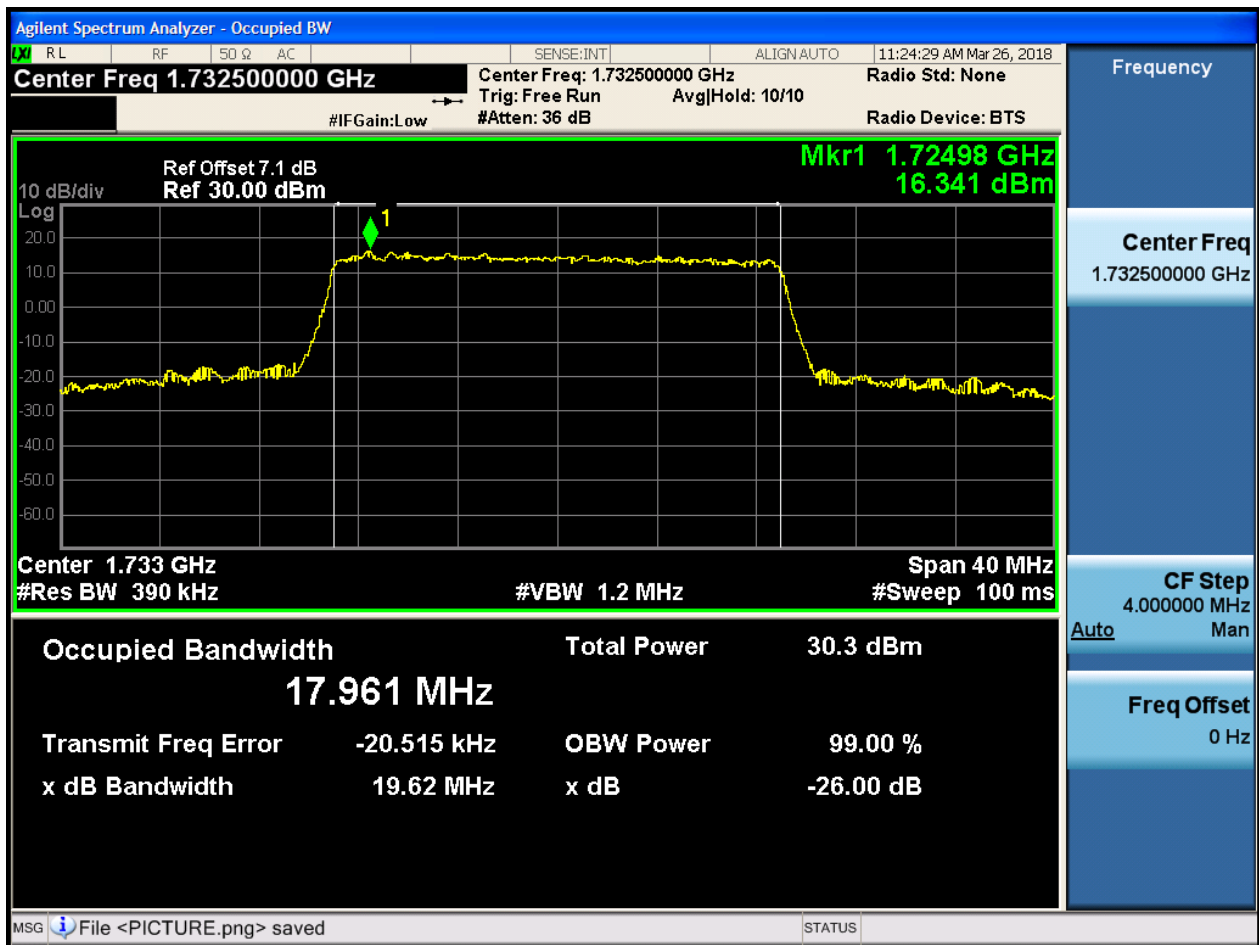
4.1.1.2.6.1.1 Test RB = RB100#0





4.1.1.2.6.2 Test Channel = MCH

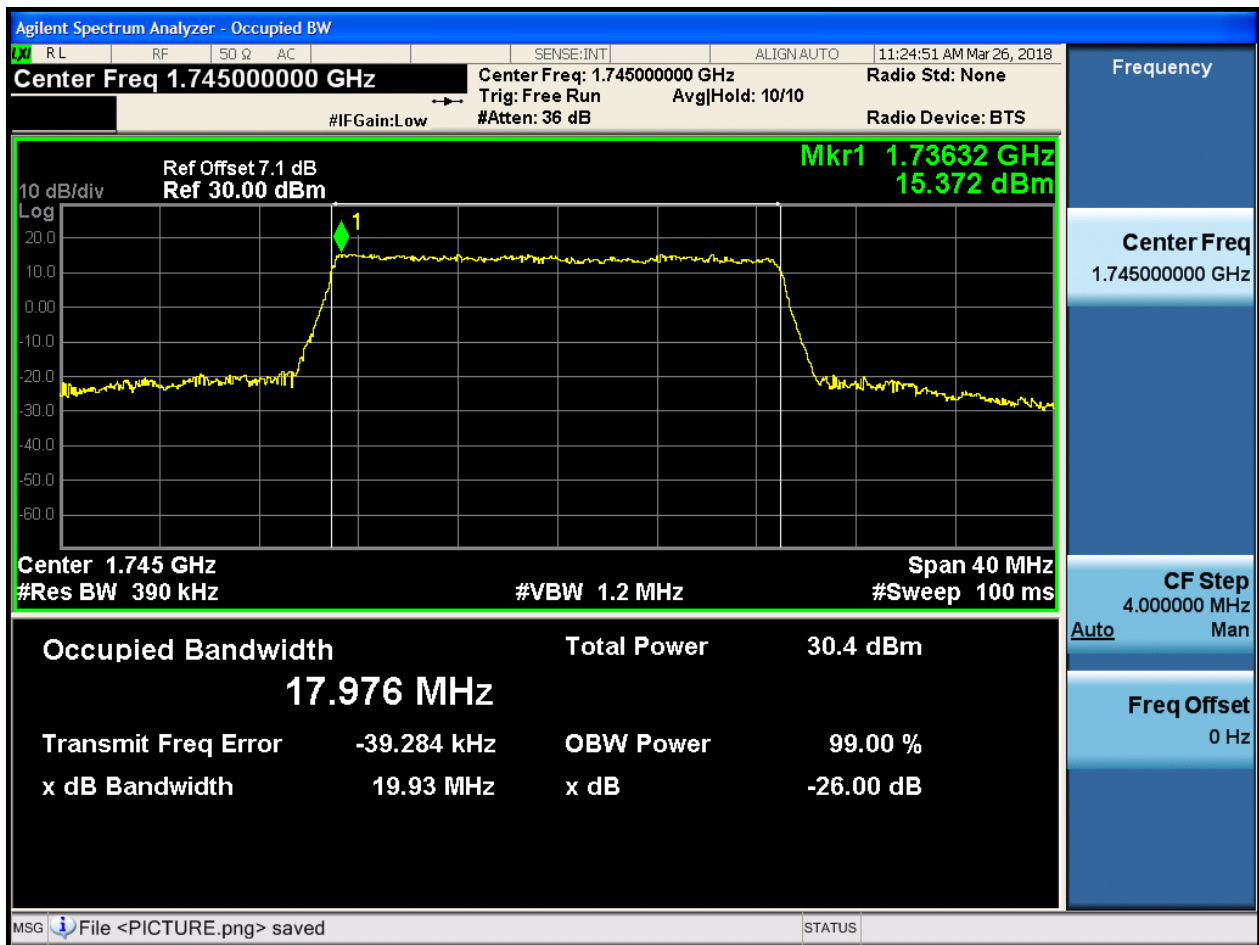
4.1.1.2.6.2.1 Test RB = RB100#0





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

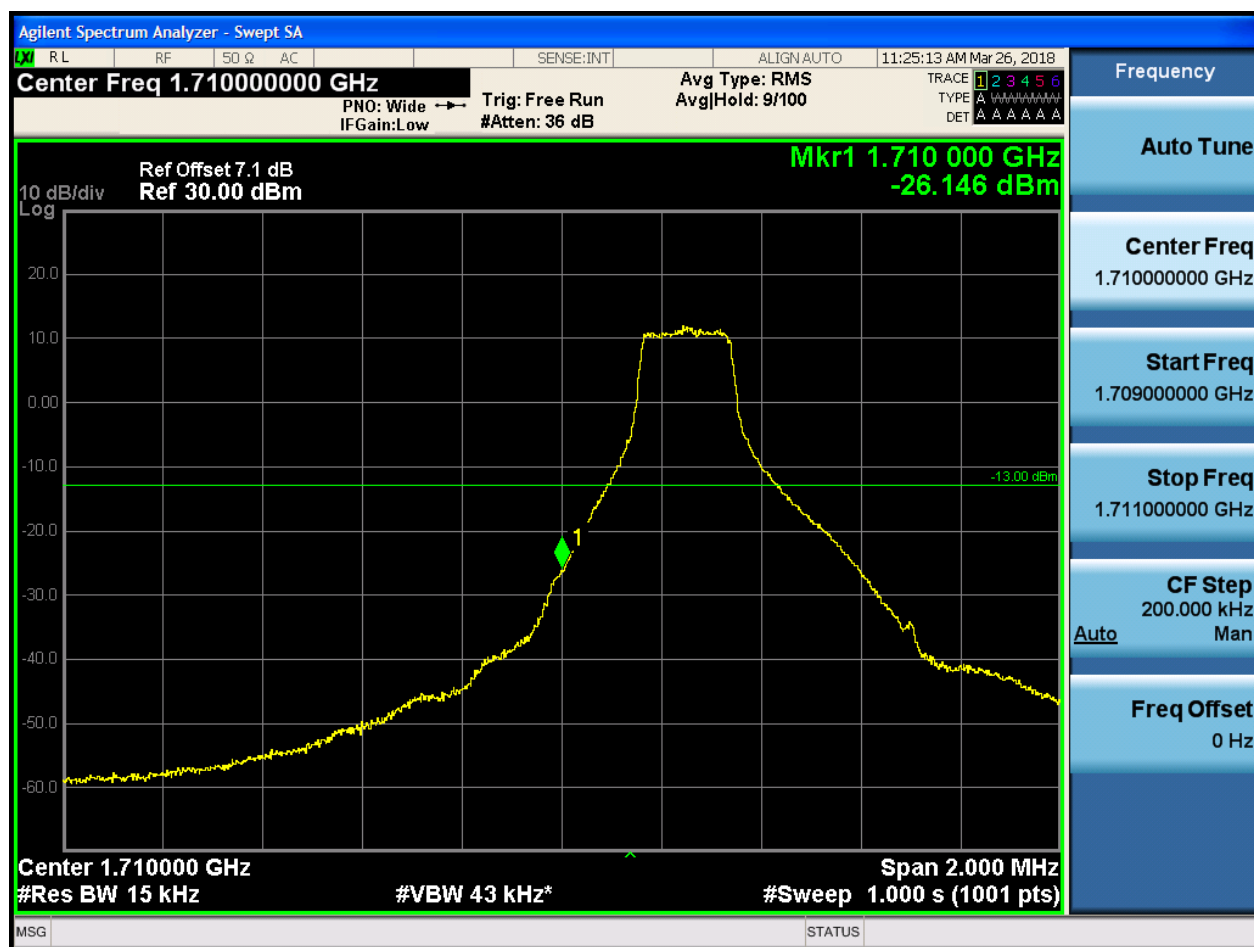
5.1.1 Test Band = BAND4

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



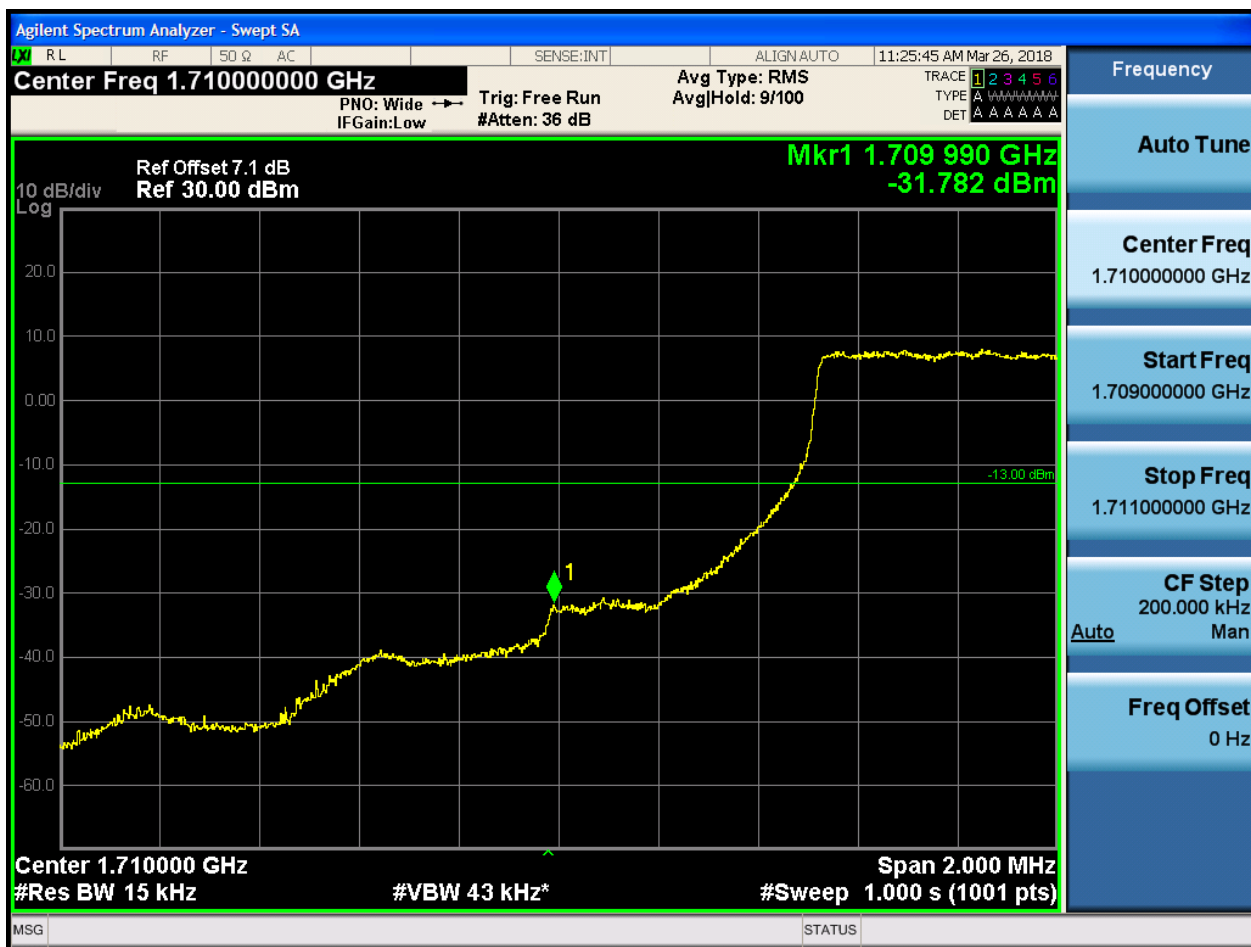


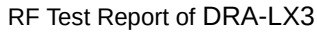
5.1.1.1.1.2 Test RB = RB1#5





5.1.1.1.1.3 Test RB = RB3#2





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 11:26:01 AM Mar 26, 2018

Center Freq 1.710000000 GHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100
#Atten: 36 dB

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

Ref Offset 7.1 dB
Ref 30.00 dBm

Mkr1 1.710 000 GHz
-31.776 dBm

10 dB/div
Log

Center 1.710000 GHz
#Res BW 15 kHz
#VBW 43 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

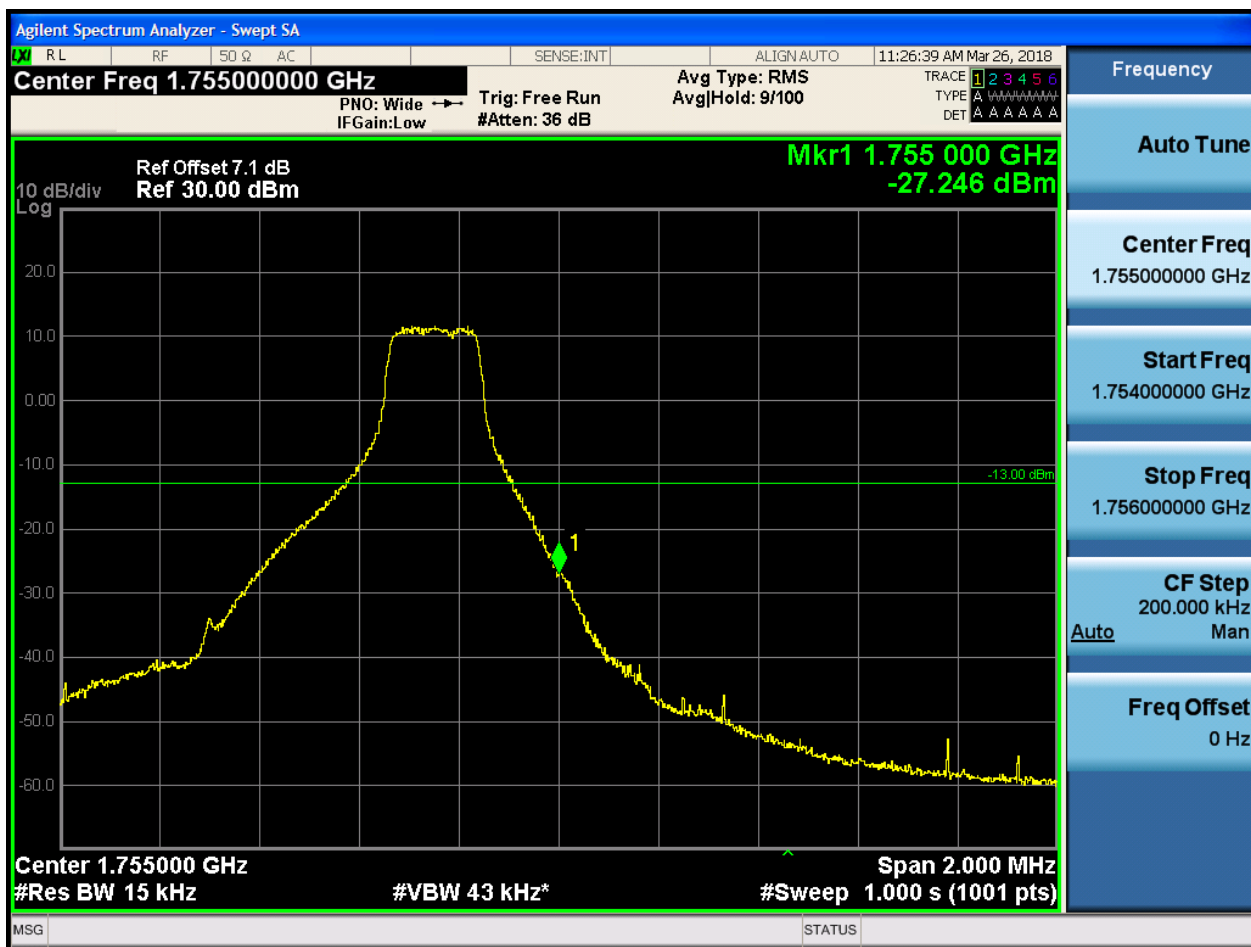
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





5.1.1.1.2.3 Test RB = RB3#2





5.1.1.1.2.4 Test RB = RB6#0

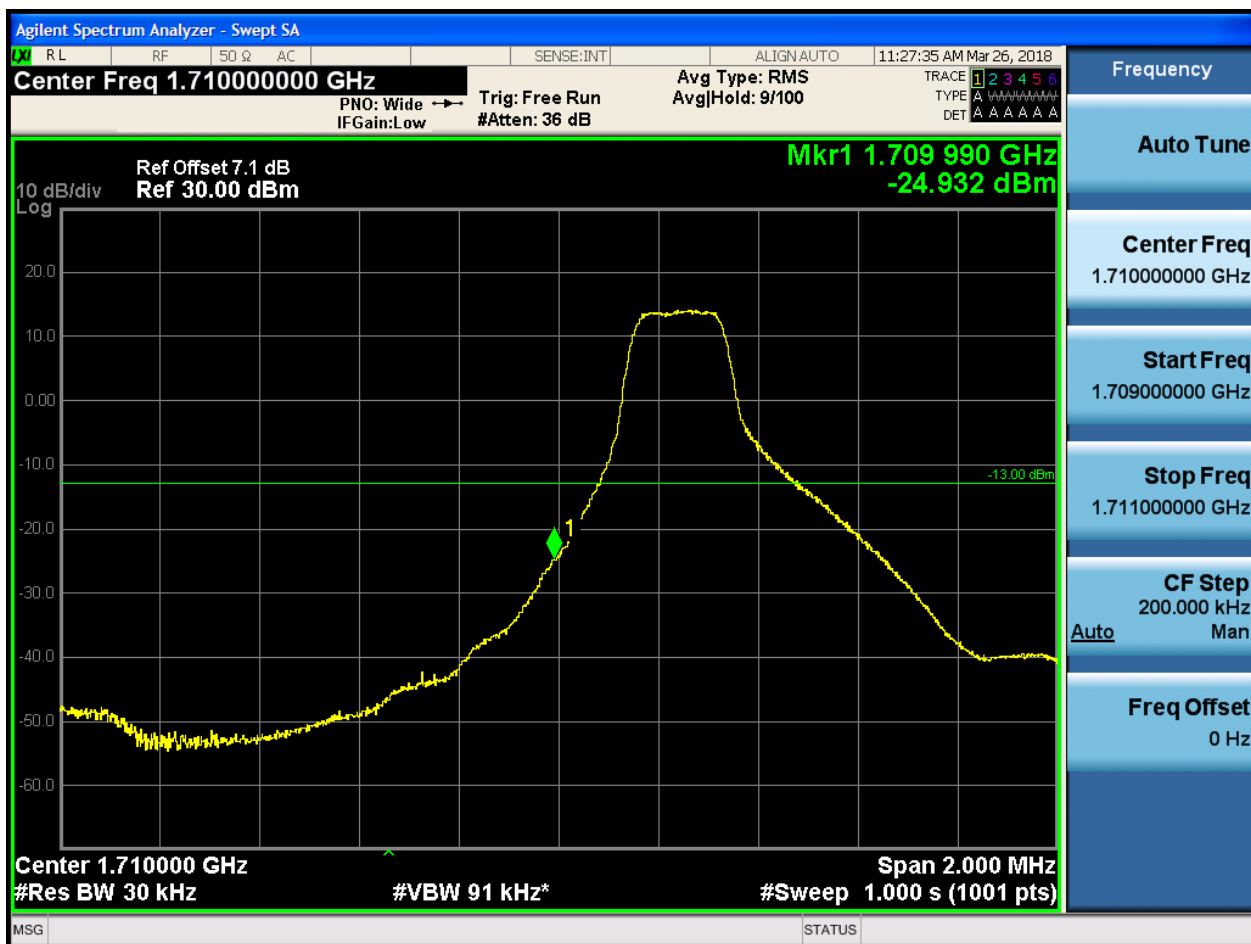




5.1.1.1.2 Test Bandwidth = 3

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0





5.1.1.1.2.1.2 Test RB = RB1#14



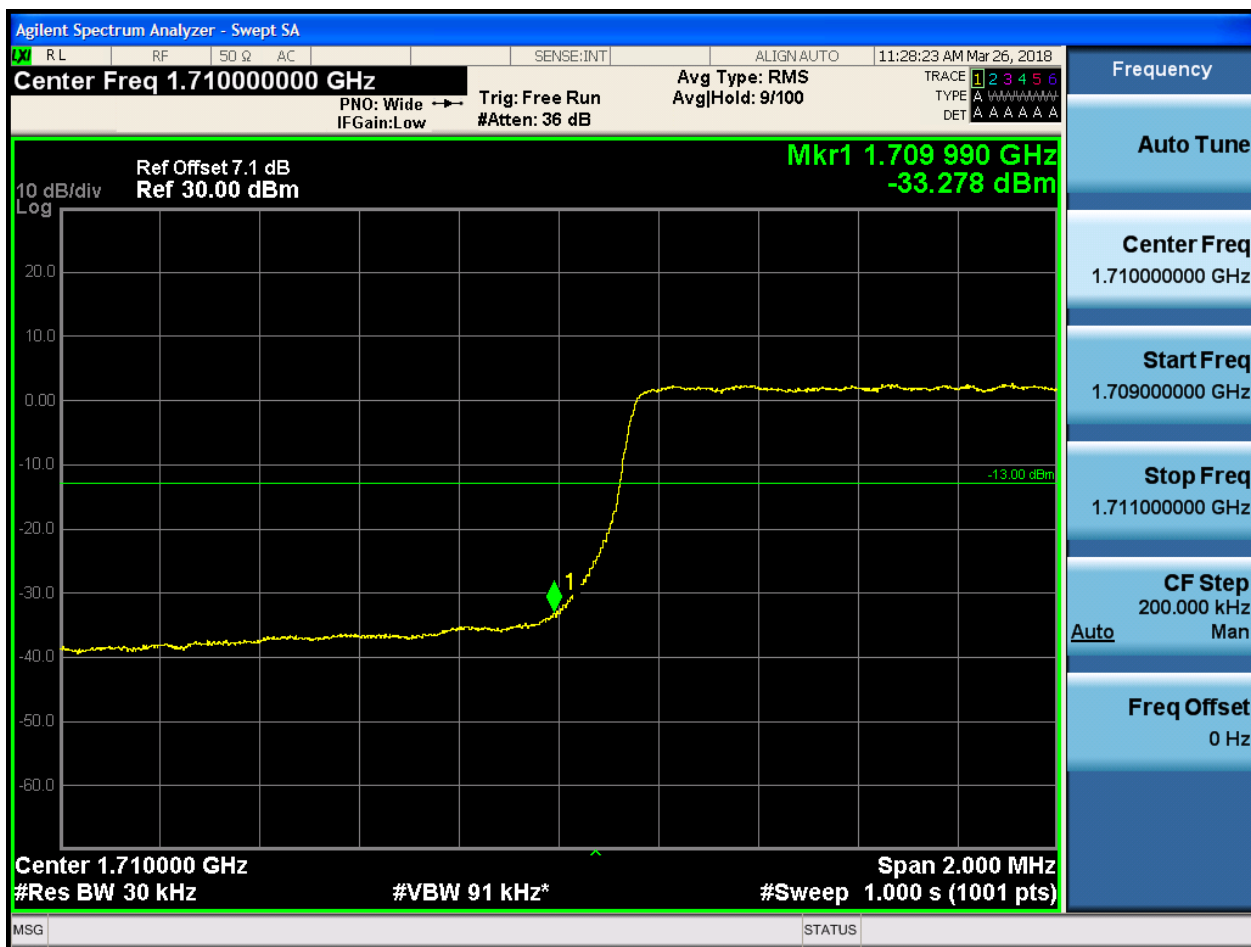


5.1.1.1.2.1.3 Test RB = RB8#4





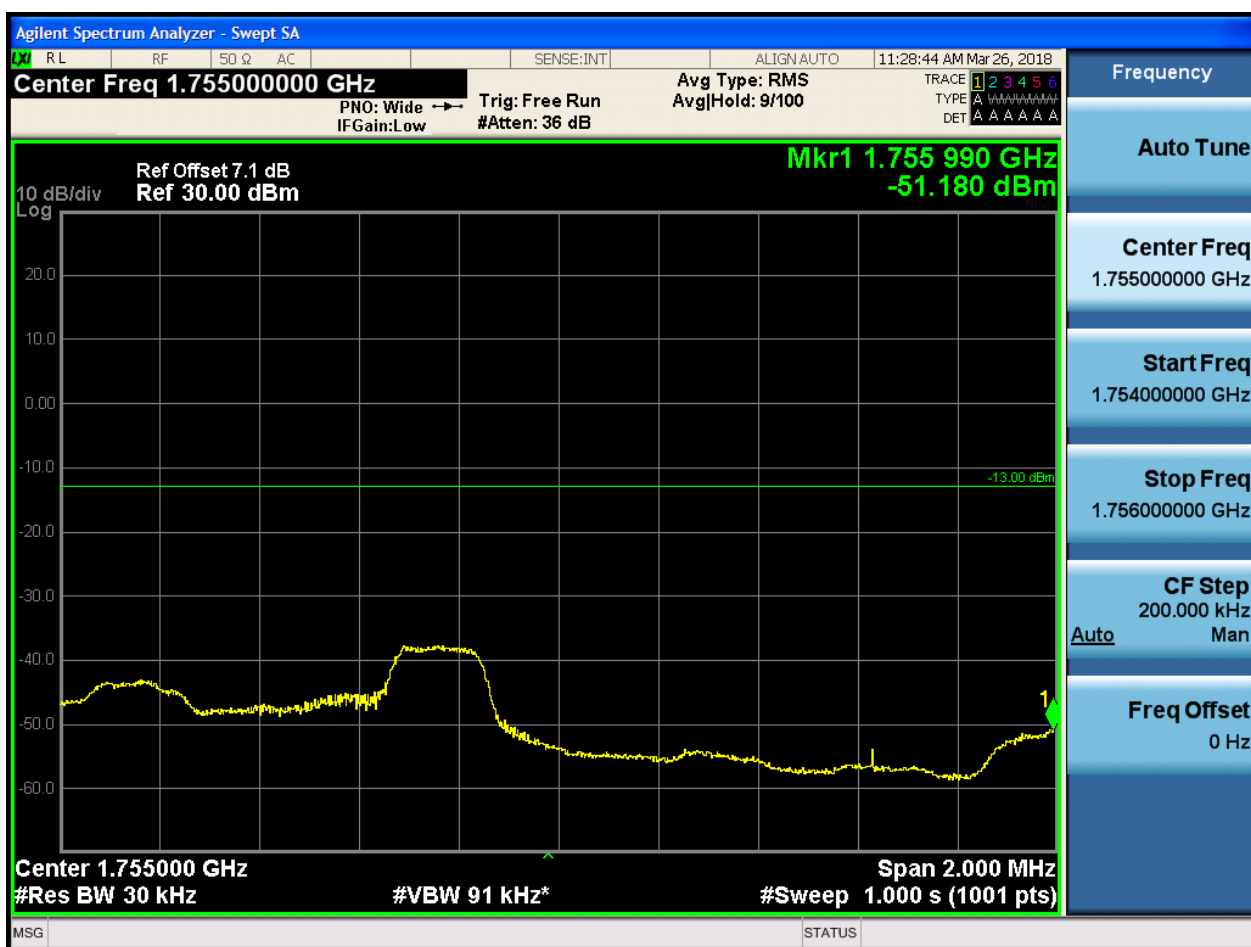
5.1.1.1.2.1.4 Test RB = RB15#0





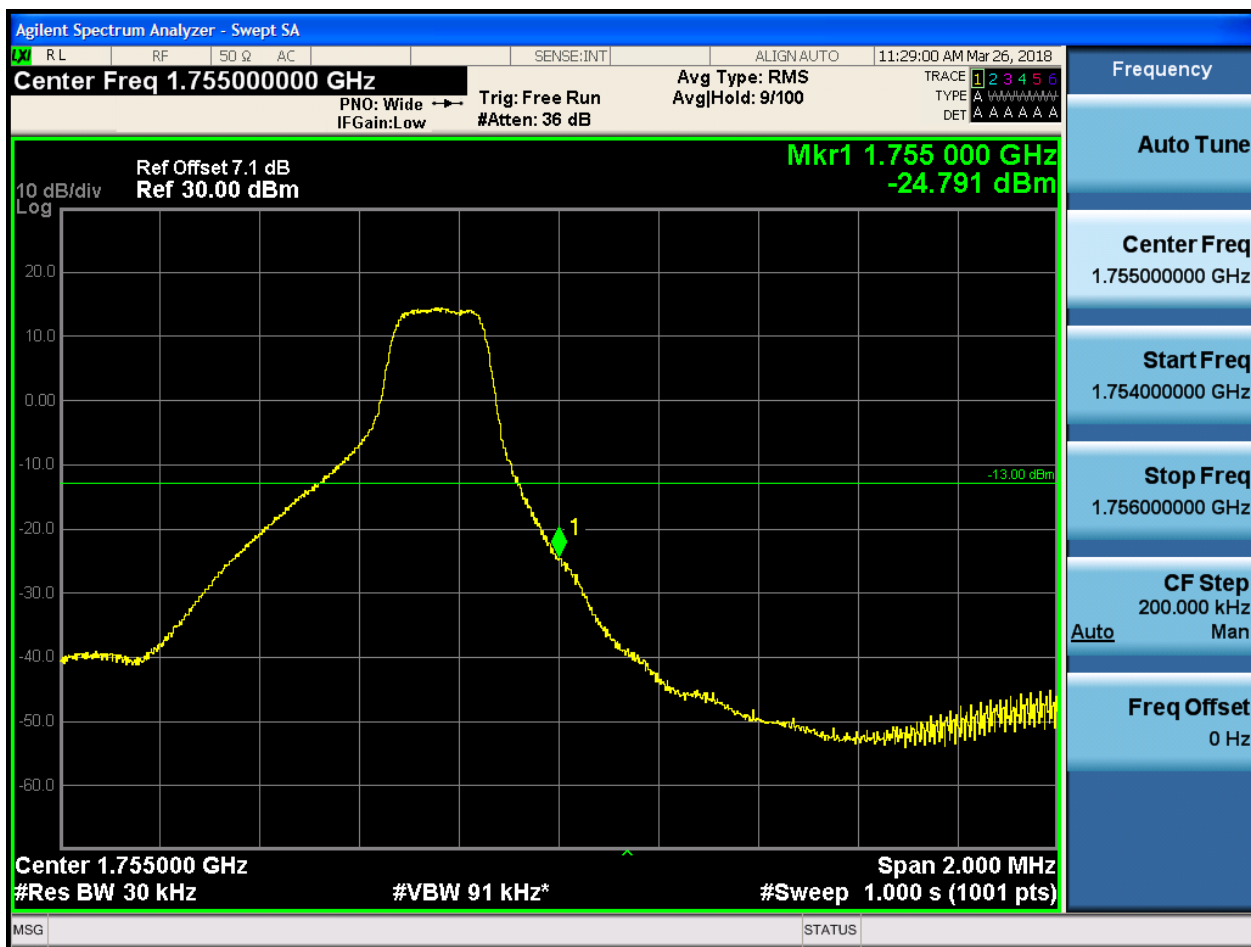
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14





5.1.1.1.2.2.3 Test RB = RB8#4





5.1.1.1.2.2.4 Test RB = RB15#0

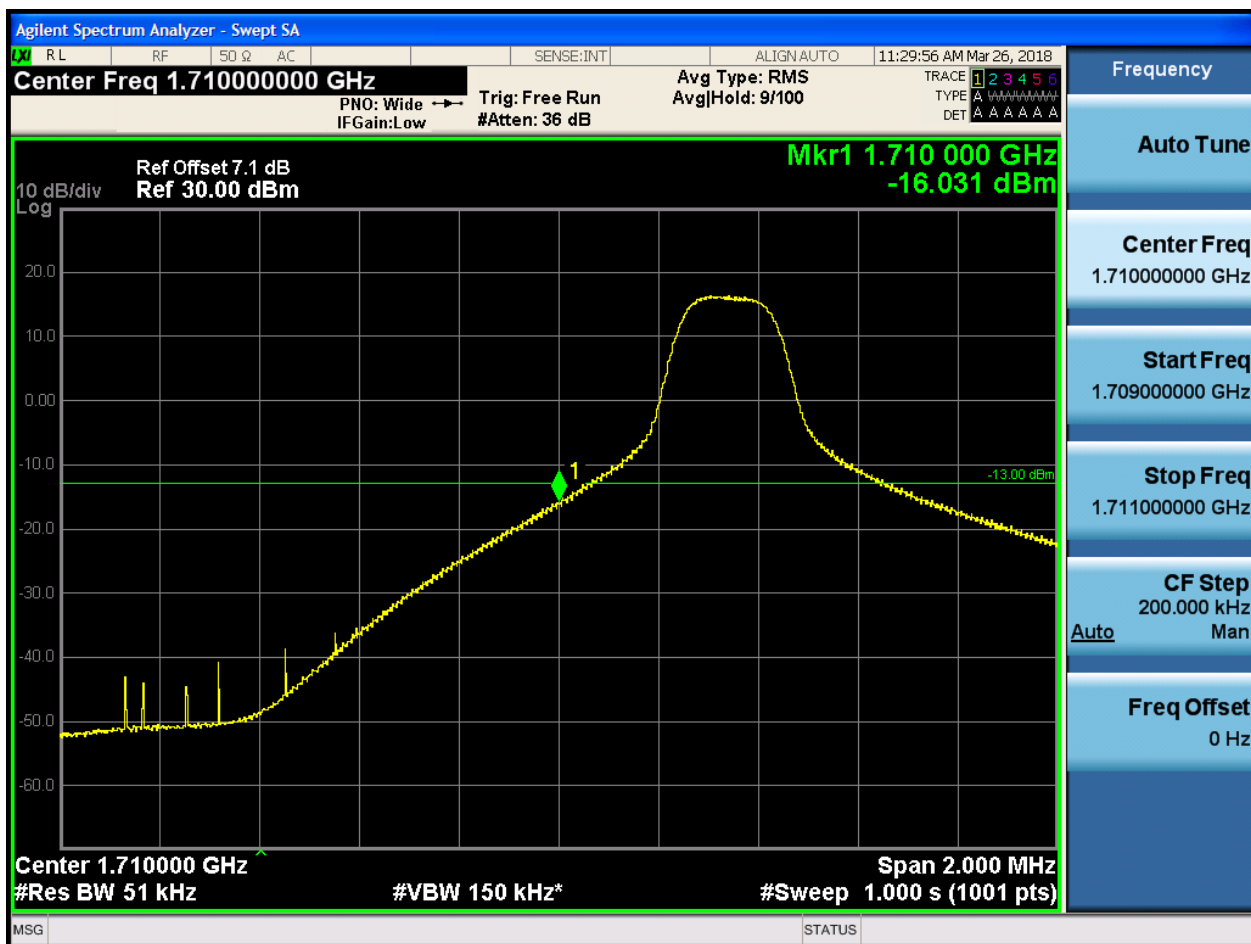




5.1.1.1.3 Test Bandwidth = 5

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





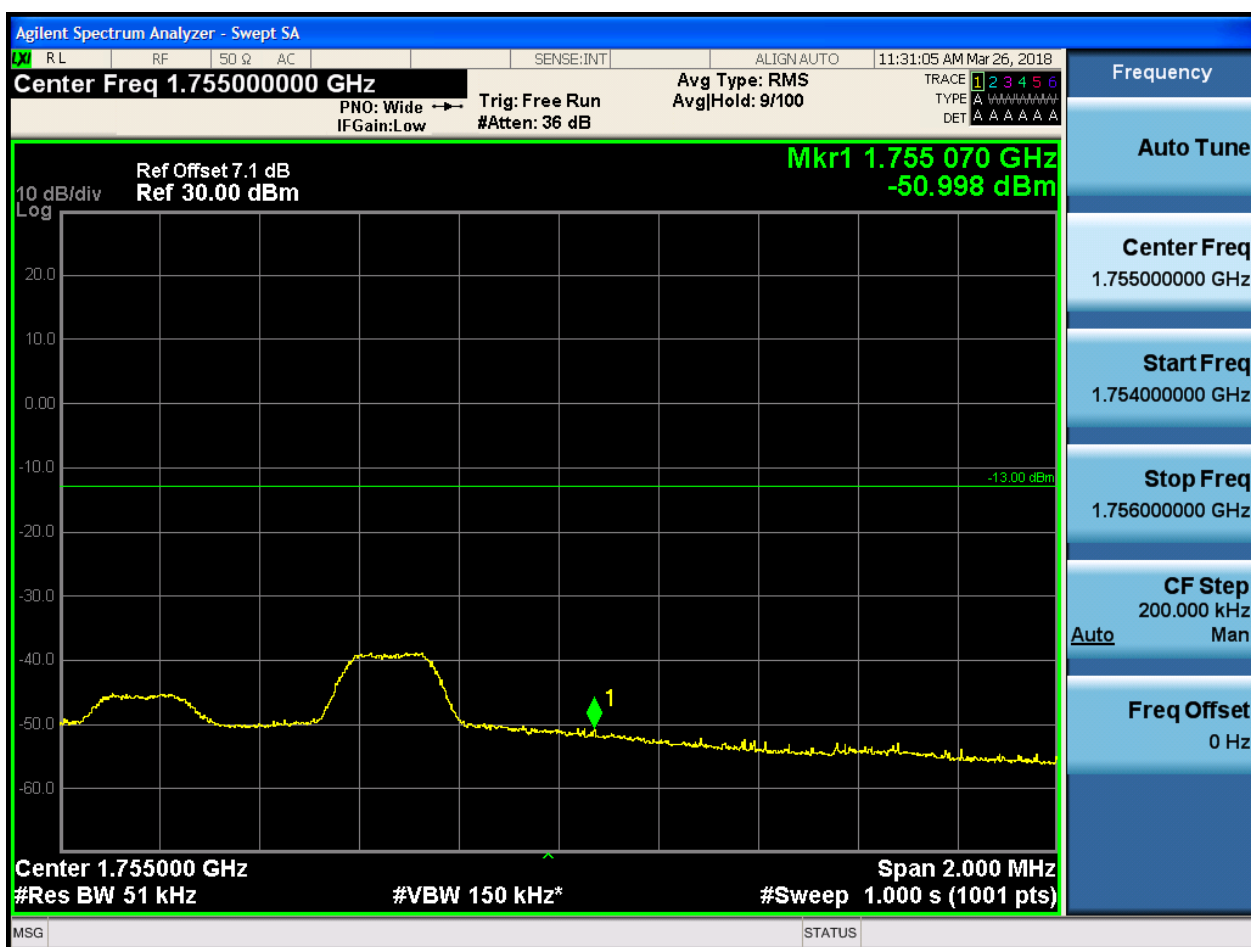
5.1.1.1.3.1.4 Test RB = RB25#0





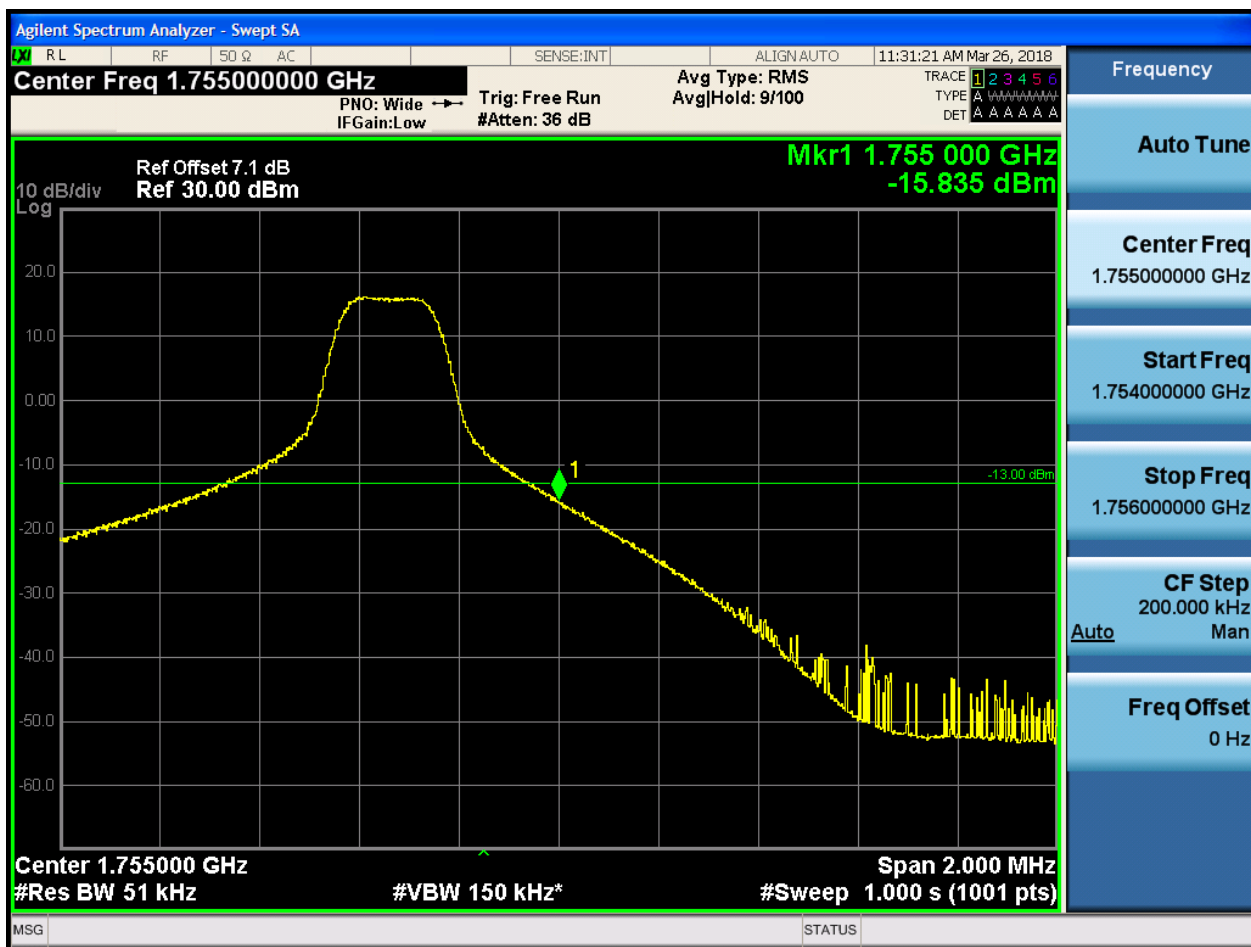
5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





5.1.1.1.3.2.2 Test RB = RB1#24





5.1.1.1.3.2.3 Test RB = RB12#6





5.1.1.1.3.2.4 Test RB = RB25#0

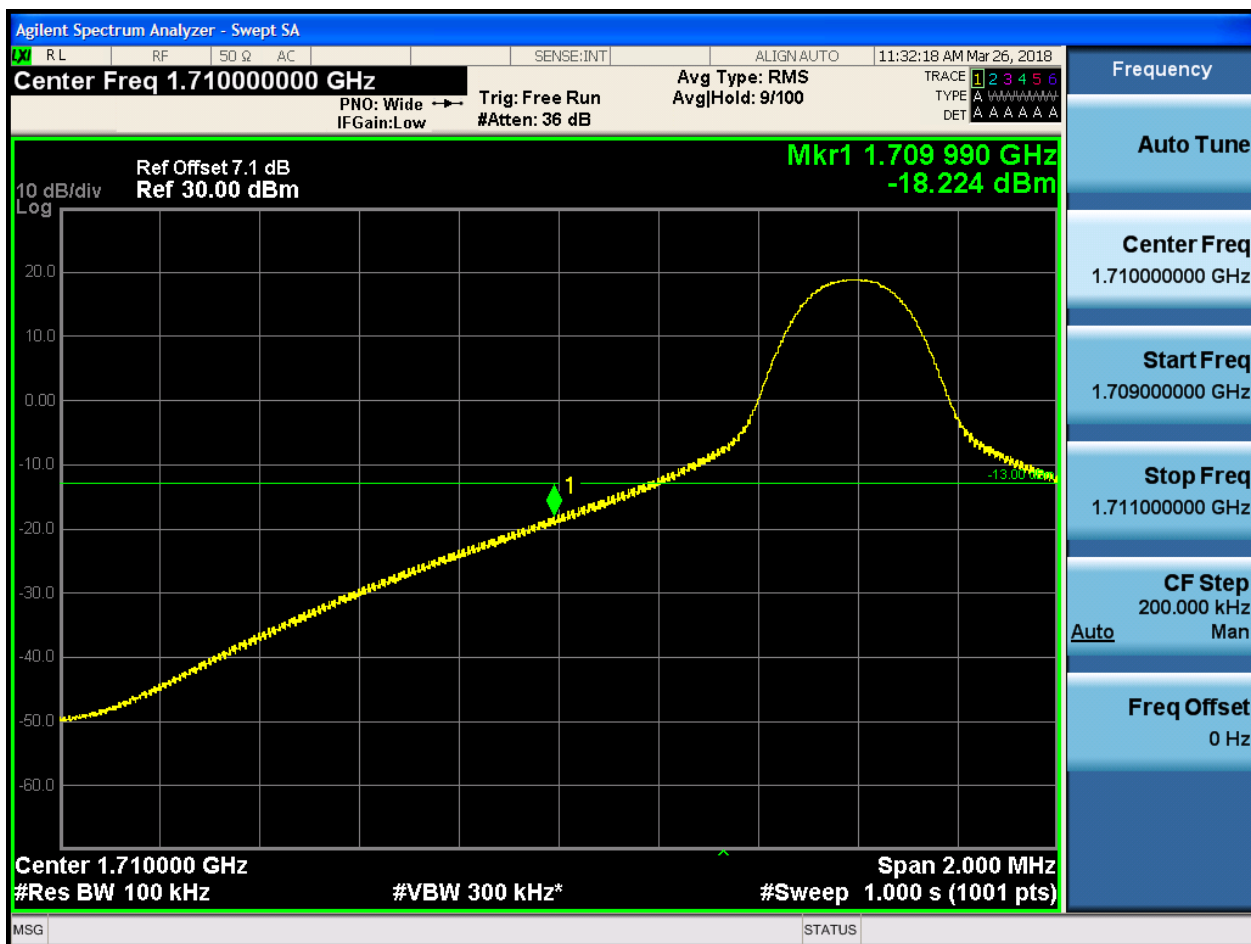




5.1.1.1.4 Test Bandwidth = 10

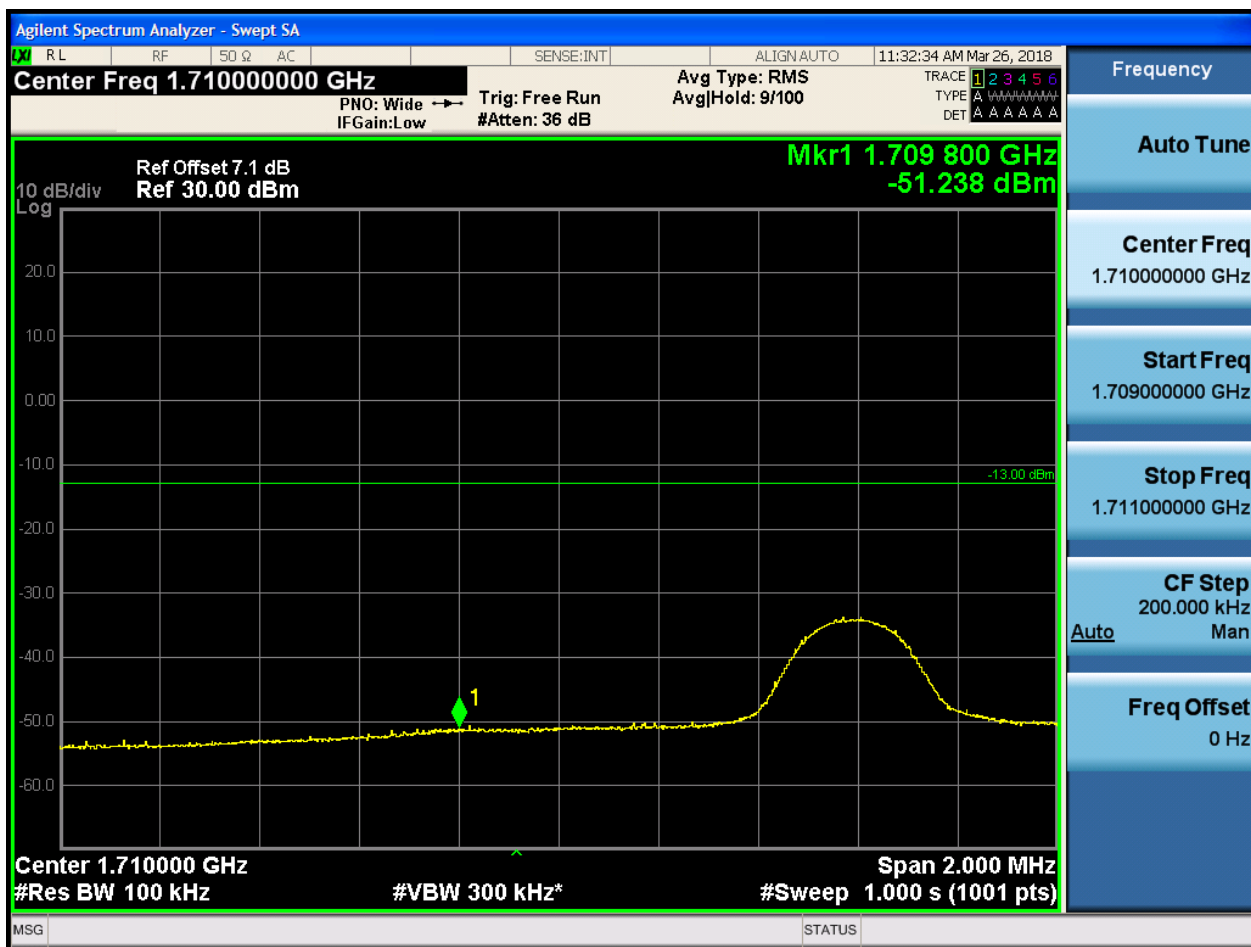
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0





5.1.1.1.4.1.2 Test RB = RB1#49





5.1.1.1.4.1.3 Test RB = RB25#13





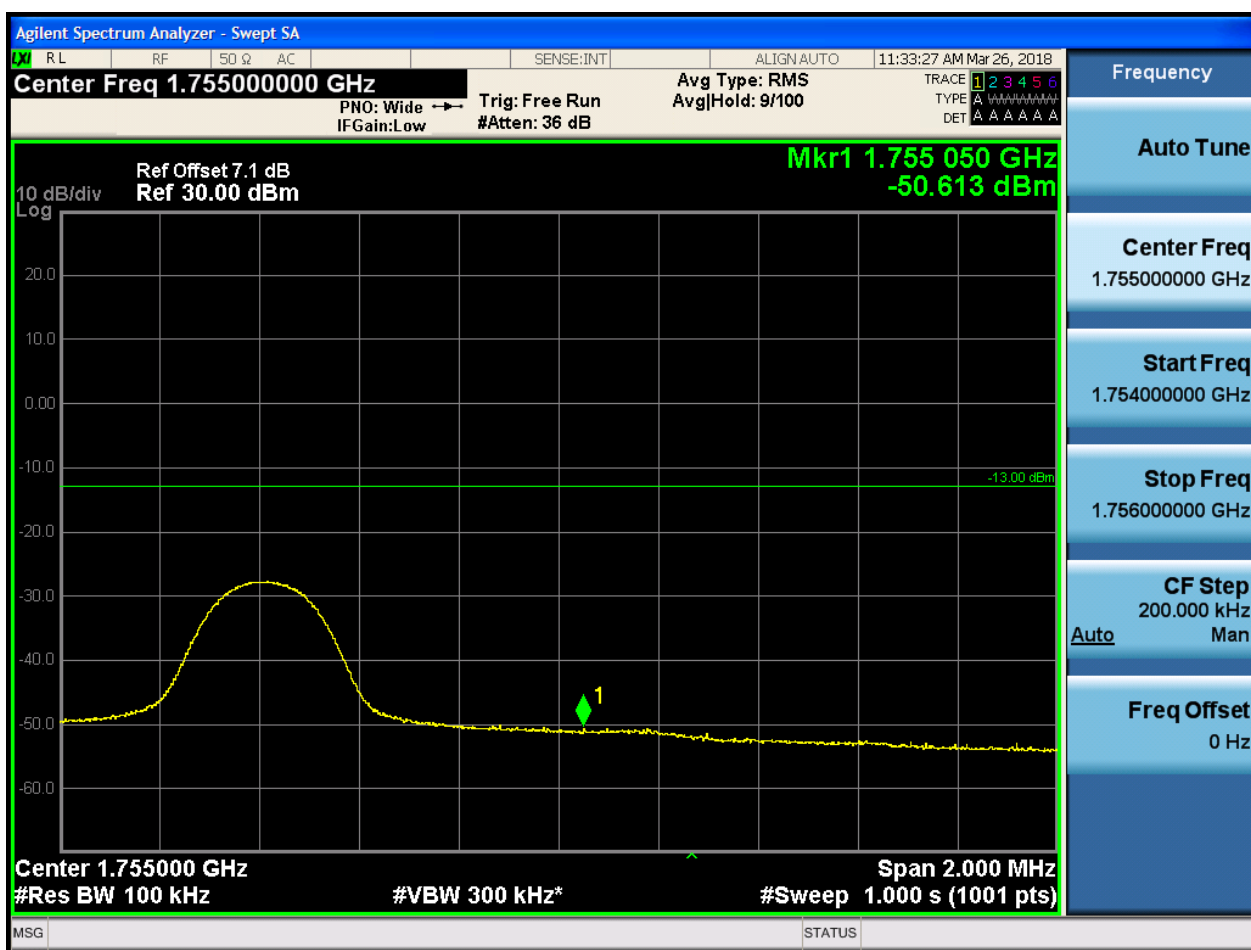
5.1.1.1.4.1.4 Test RB = RB50#0





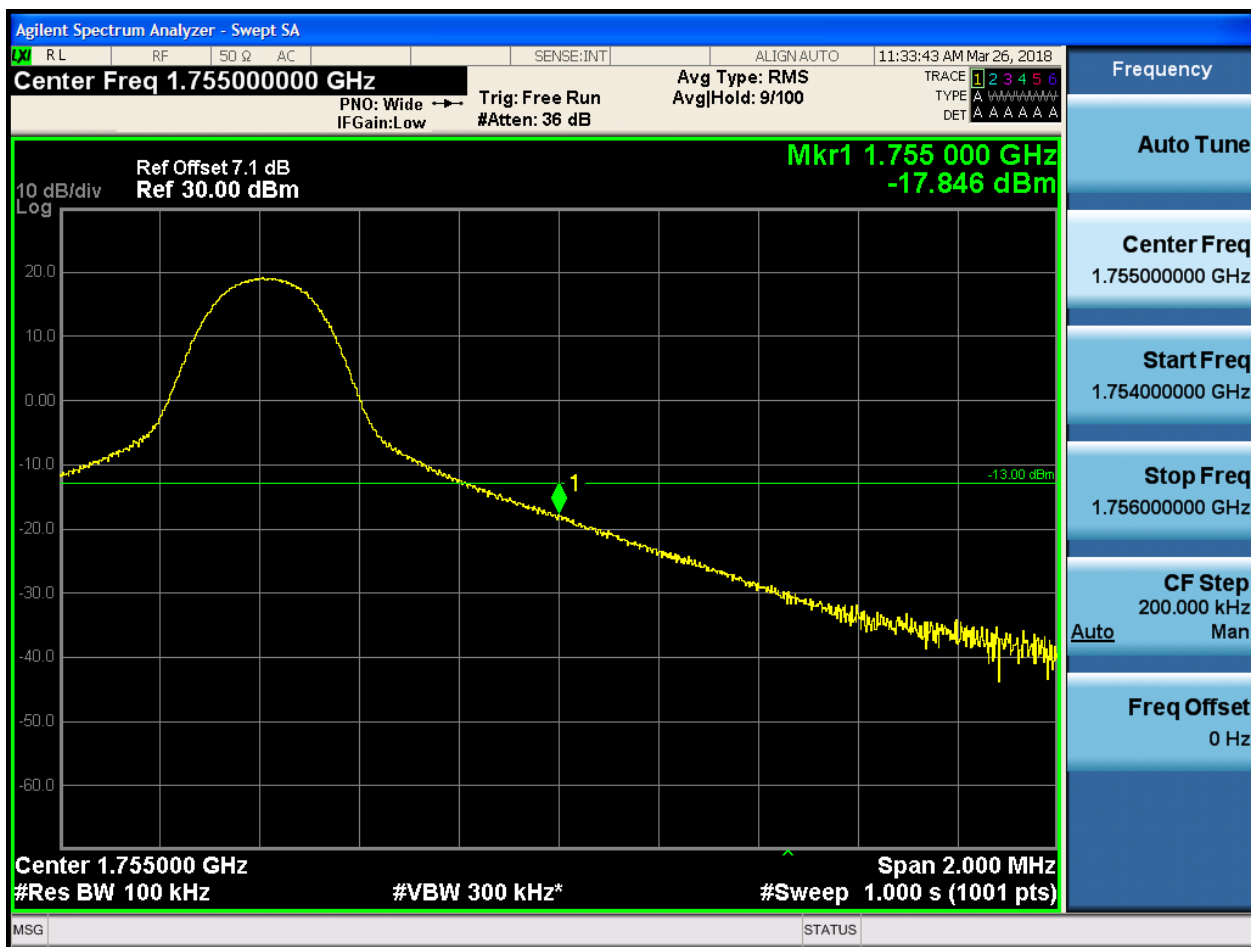
5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





5.1.1.1.4.2.2 Test RB = RB1#49





5.1.1.1.4.2.3 Test RB = RB25#13





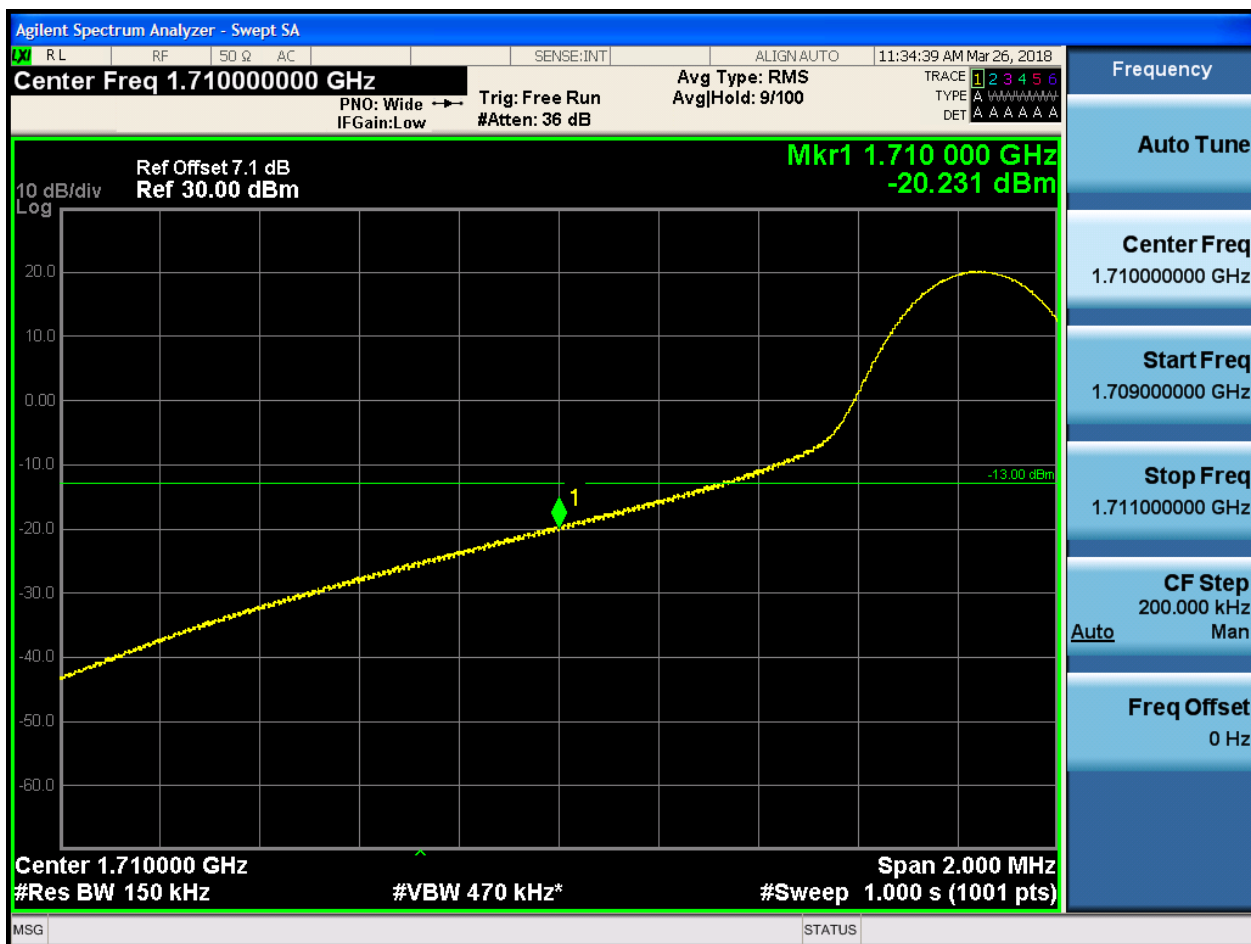
5.1.1.1.4.2.4 Test RB = RB50#0



5.1.1.1.5 Test Bandwidth = 15

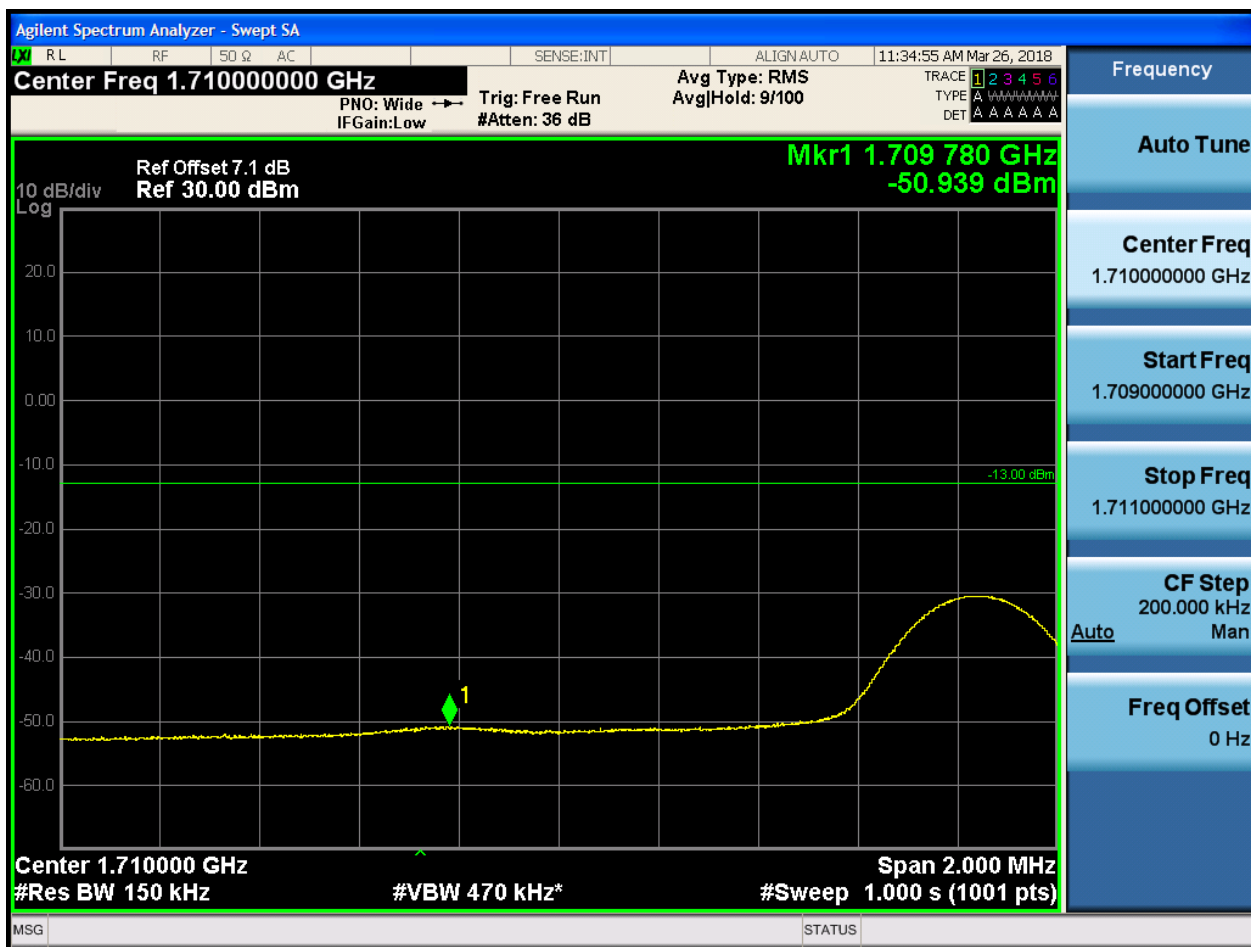
5.1.1.1.5.1 Test Channel = LCH

5.1.1.1.5.1.1 Test RB = RB1#0





5.1.1.1.5.1.2 Test RB = RB1#74



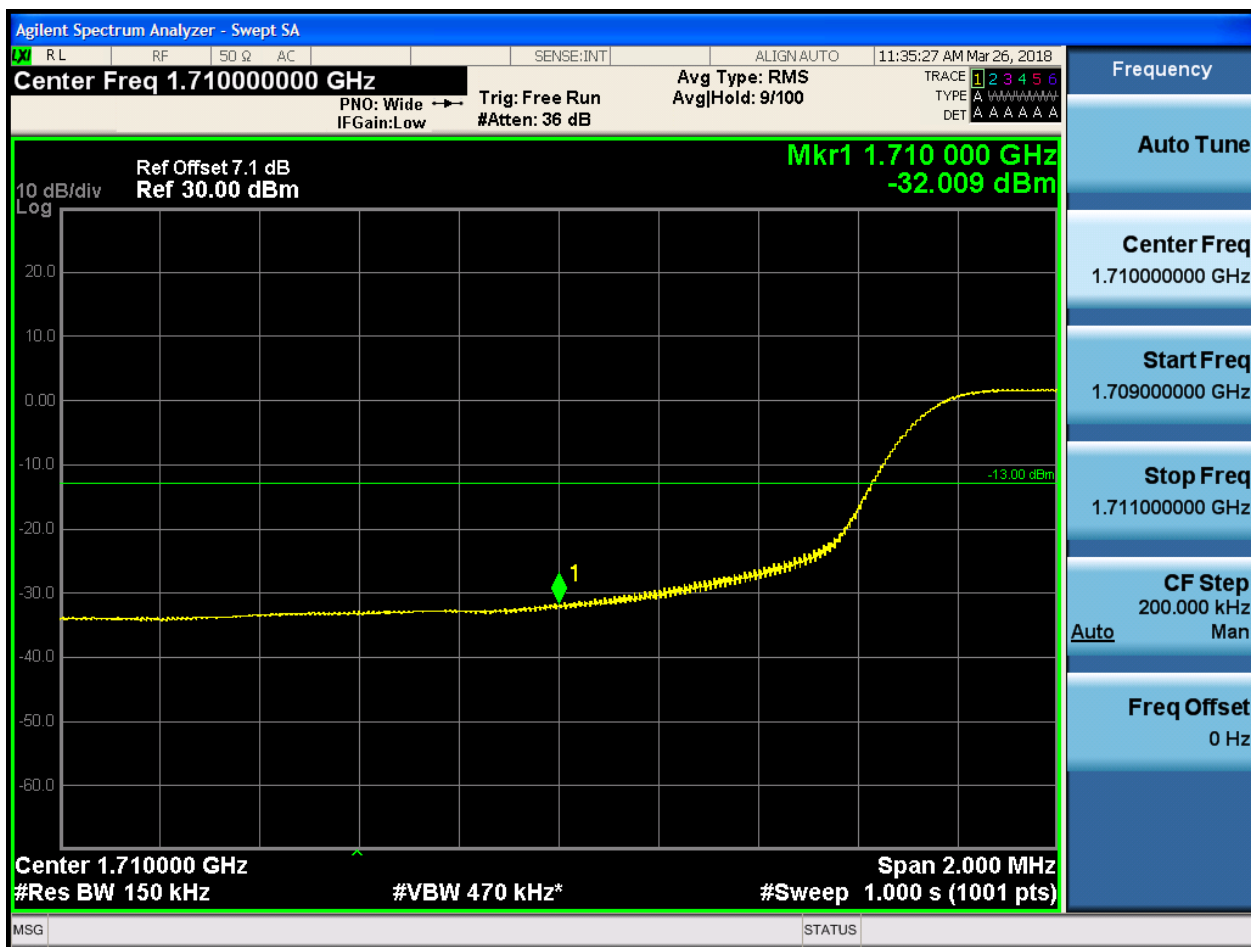


5.1.1.1.5.1.3 Test RB = RB38#19





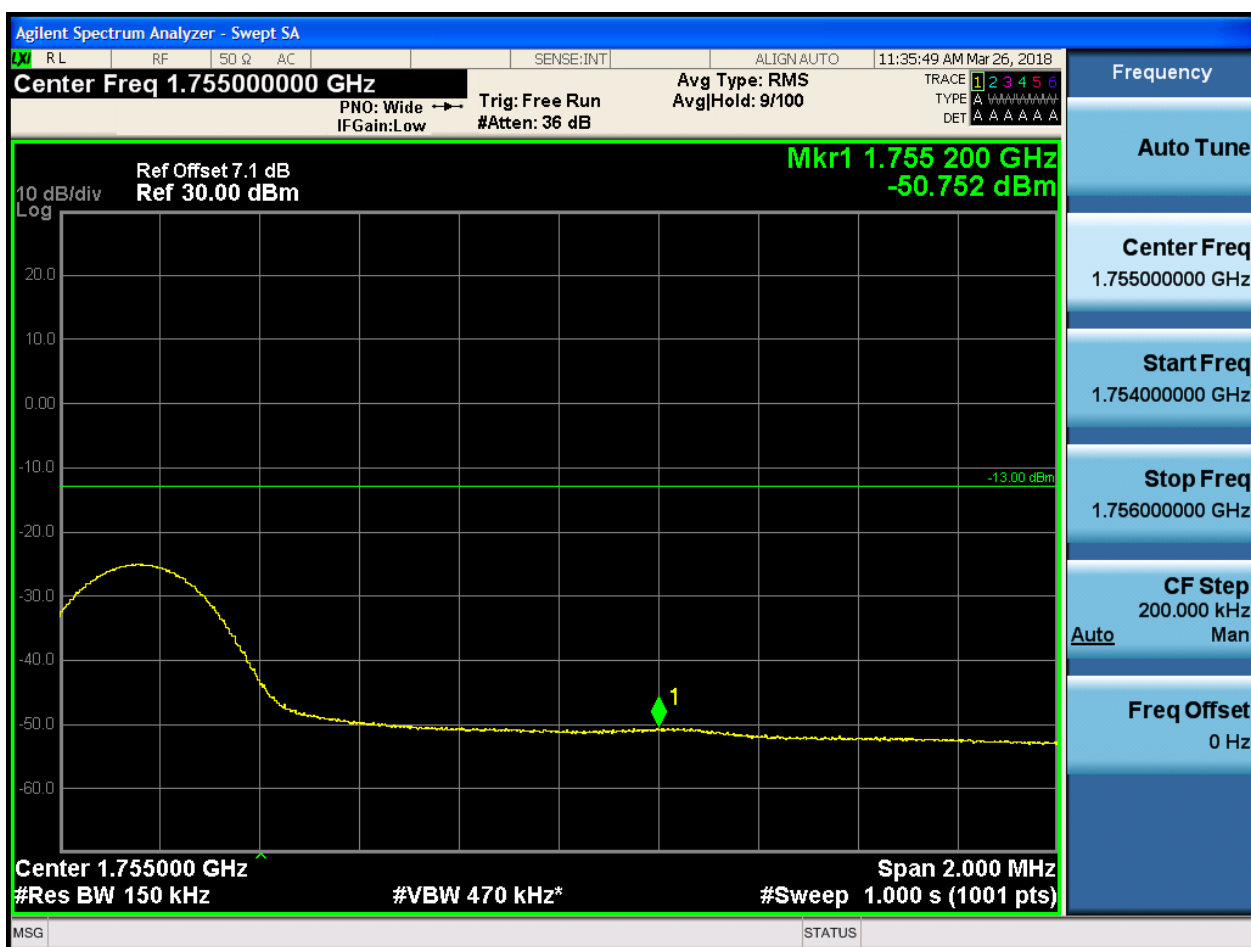
5.1.1.1.5.1.4 Test RB = RB75#0





5.1.1.1.5.2 Test Channel = HCH

5.1.1.1.5.2.1 Test RB = RB1#0



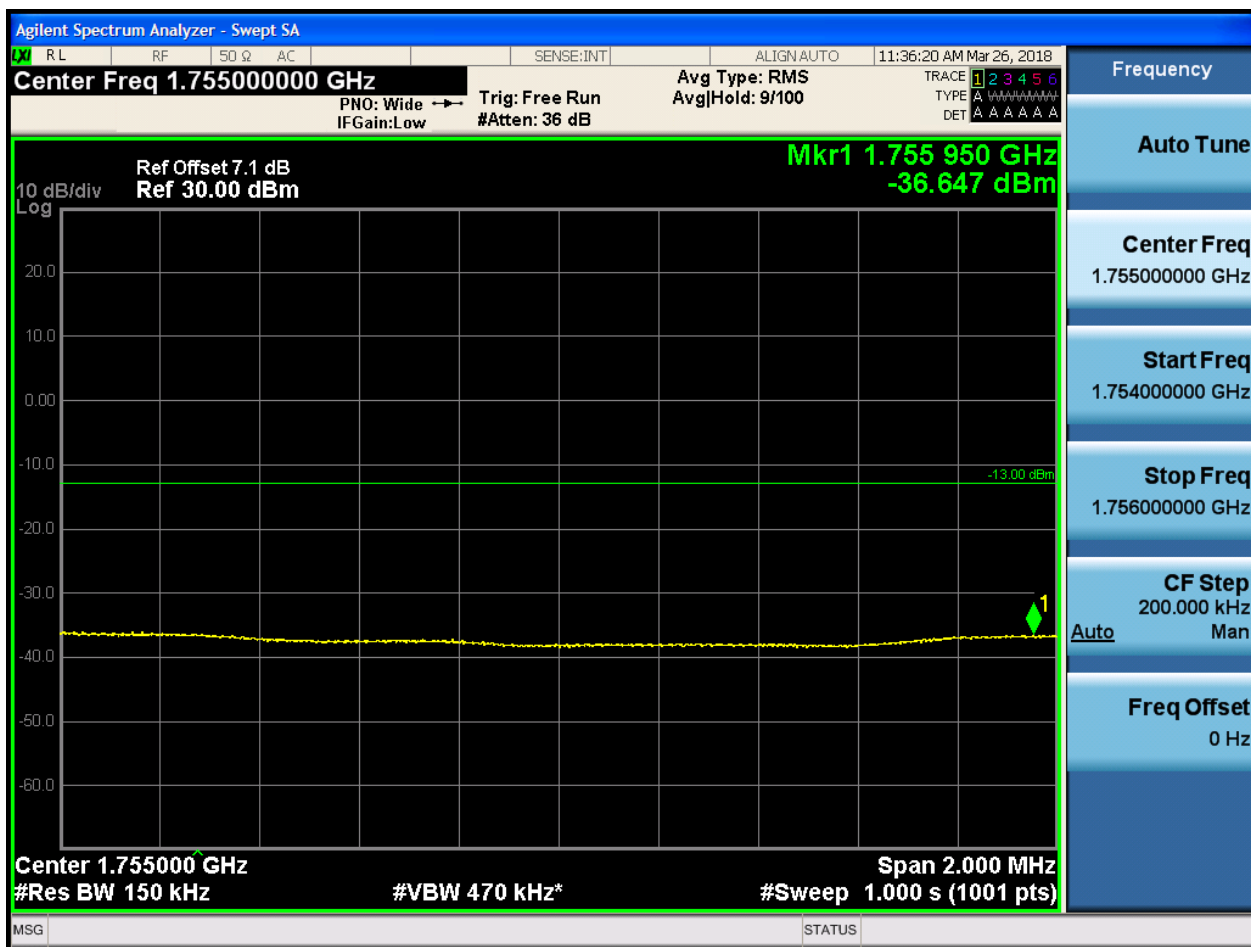


5.1.1.1.5.2.2 Test RB = RB1#74





5.1.1.1.5.2.3 Test RB = RB38#19





5.1.1.1.5.2.4 Test RB = RB75#0

