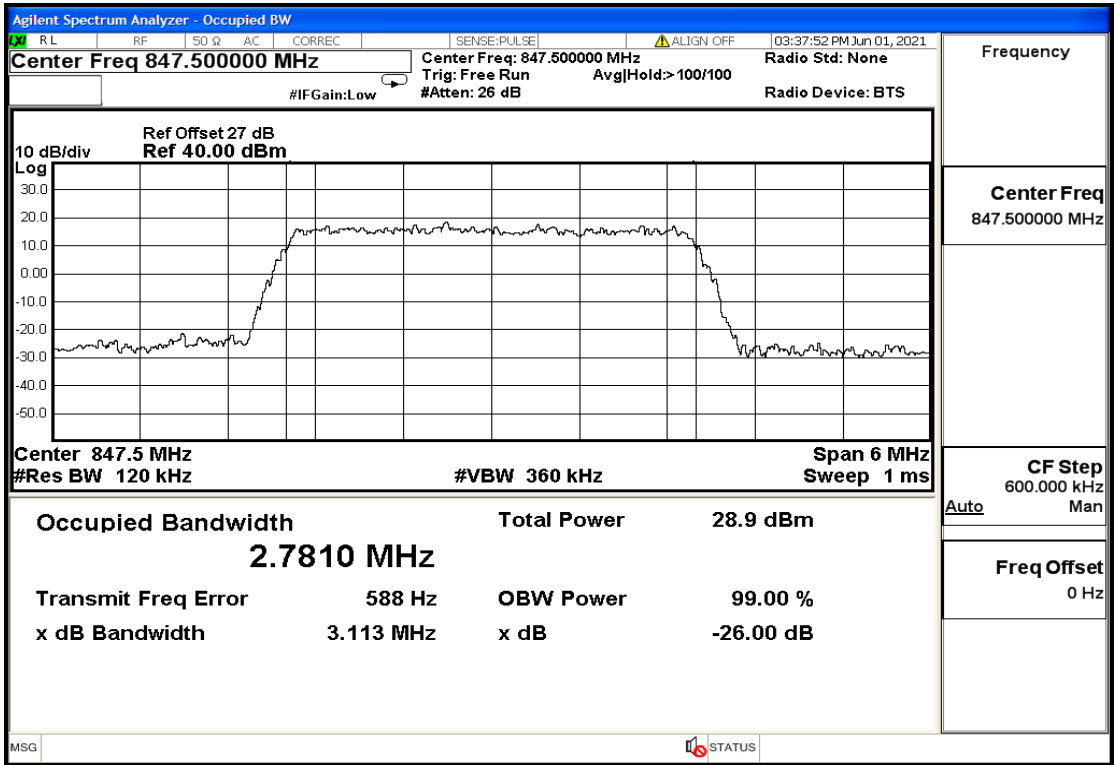
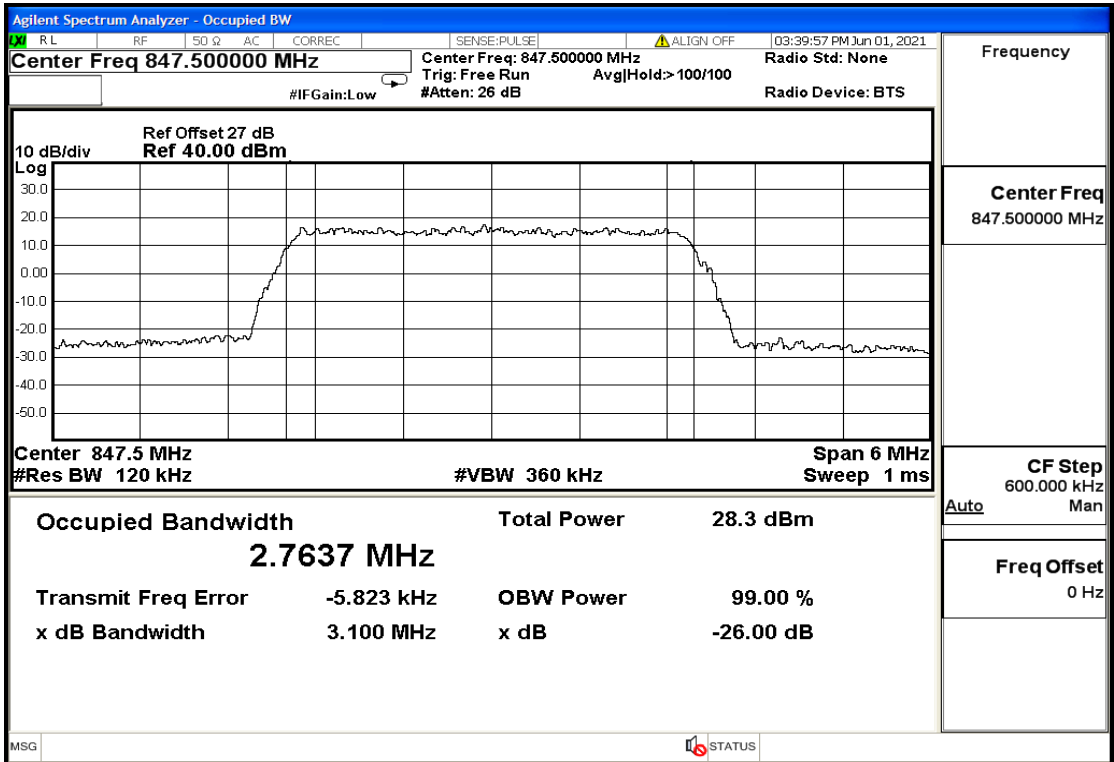


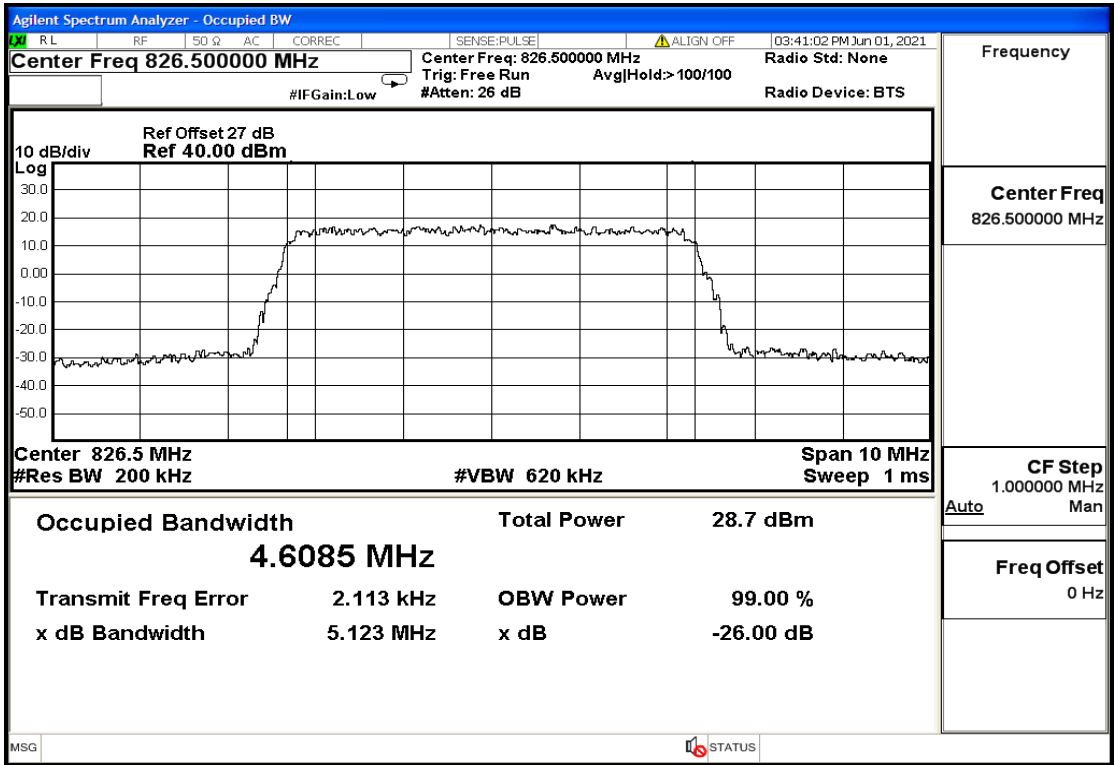
Band5-3-847.5-QPSK-15#LOW@26dB and 99PCT Bandwidth



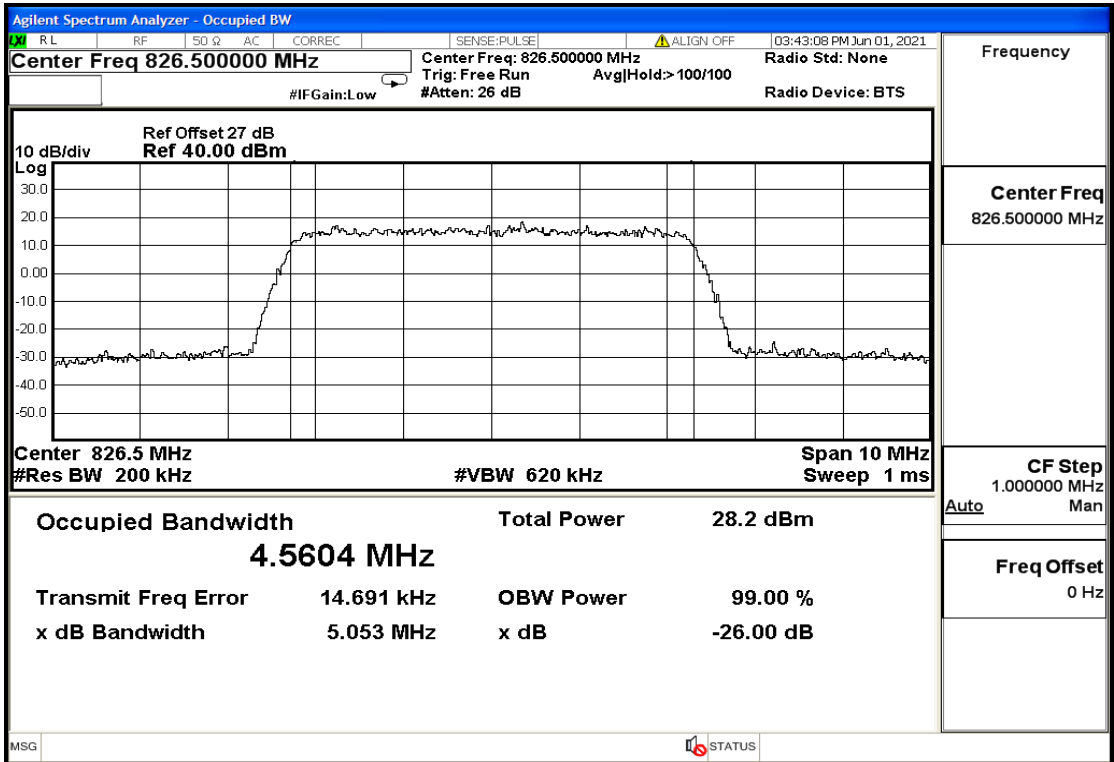
Band5-3-847.5-16QAM-15#LOW@26dB and 99PCT Bandwidth



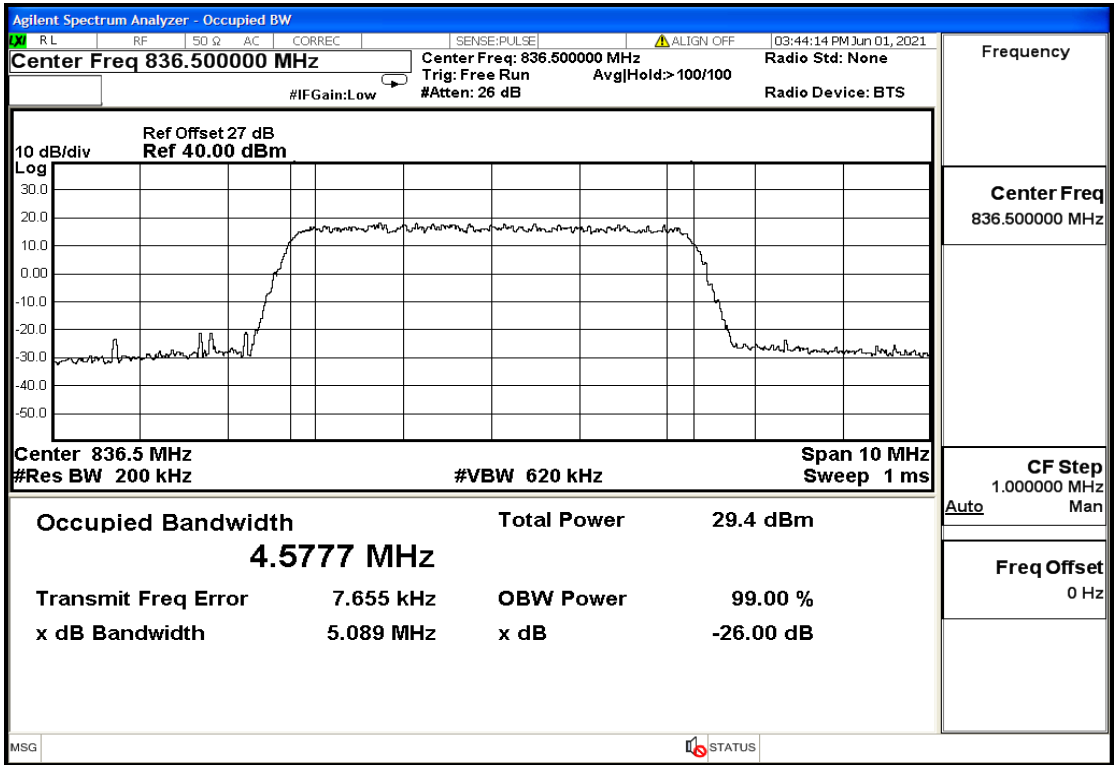
Band5-5-826.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



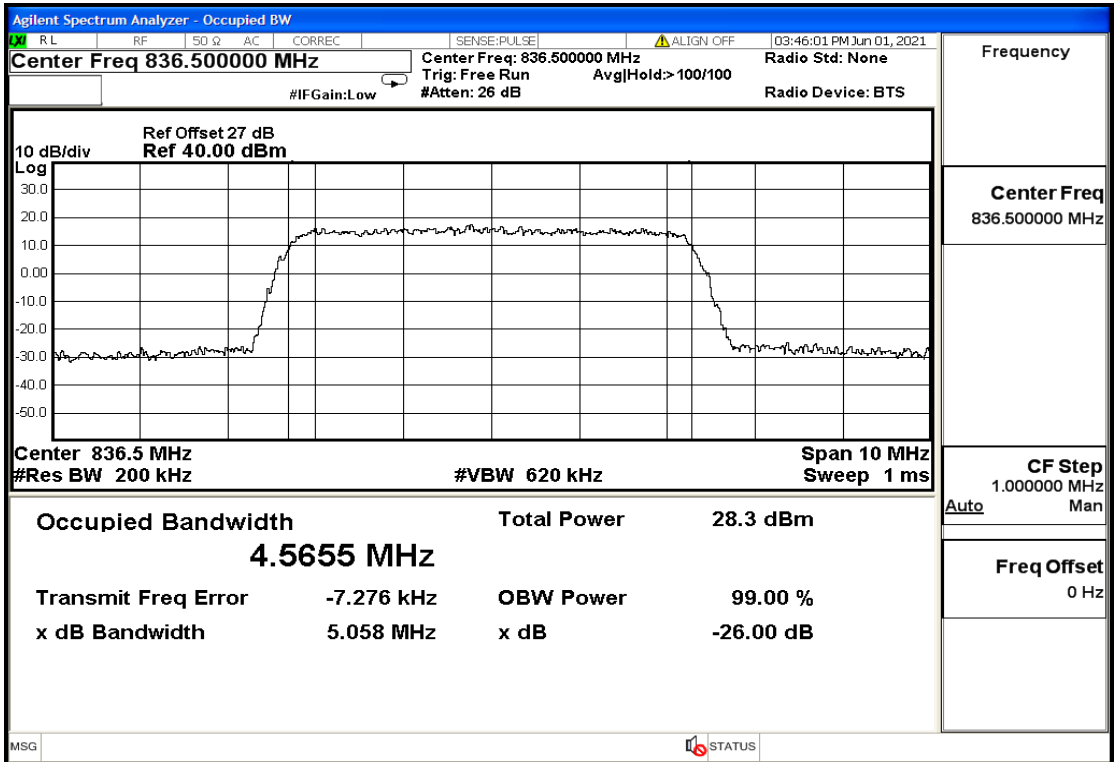
Band5-5-826.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



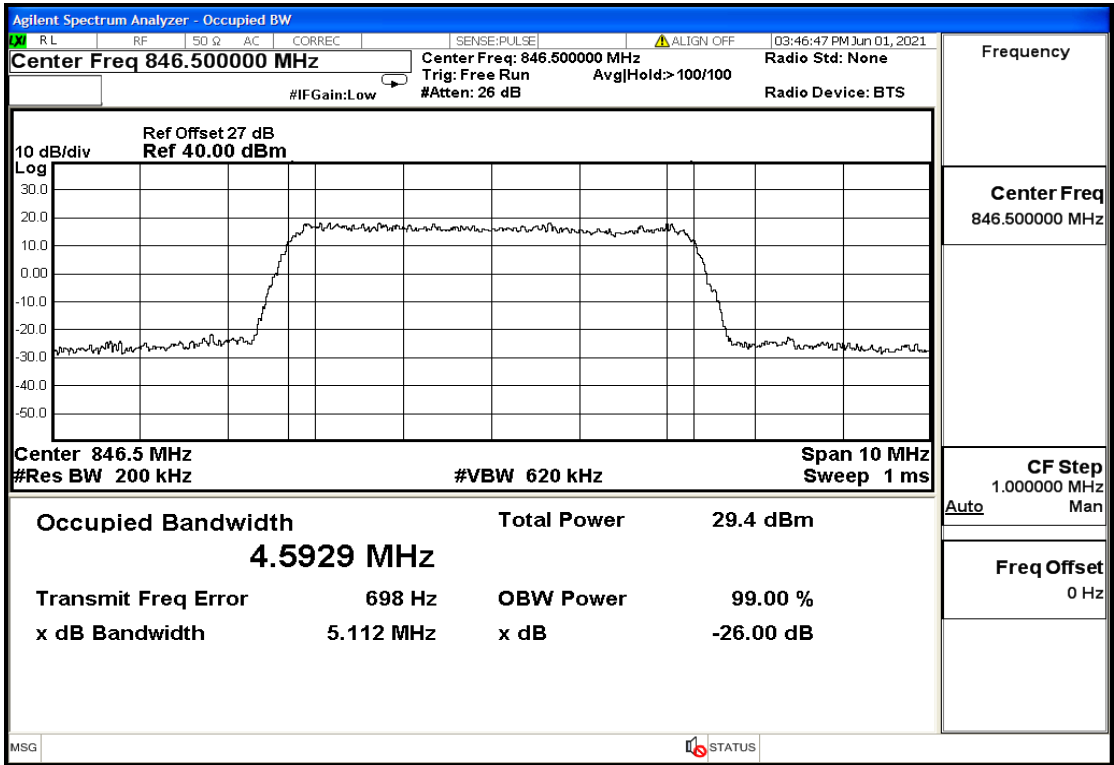
Band5-5-836.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



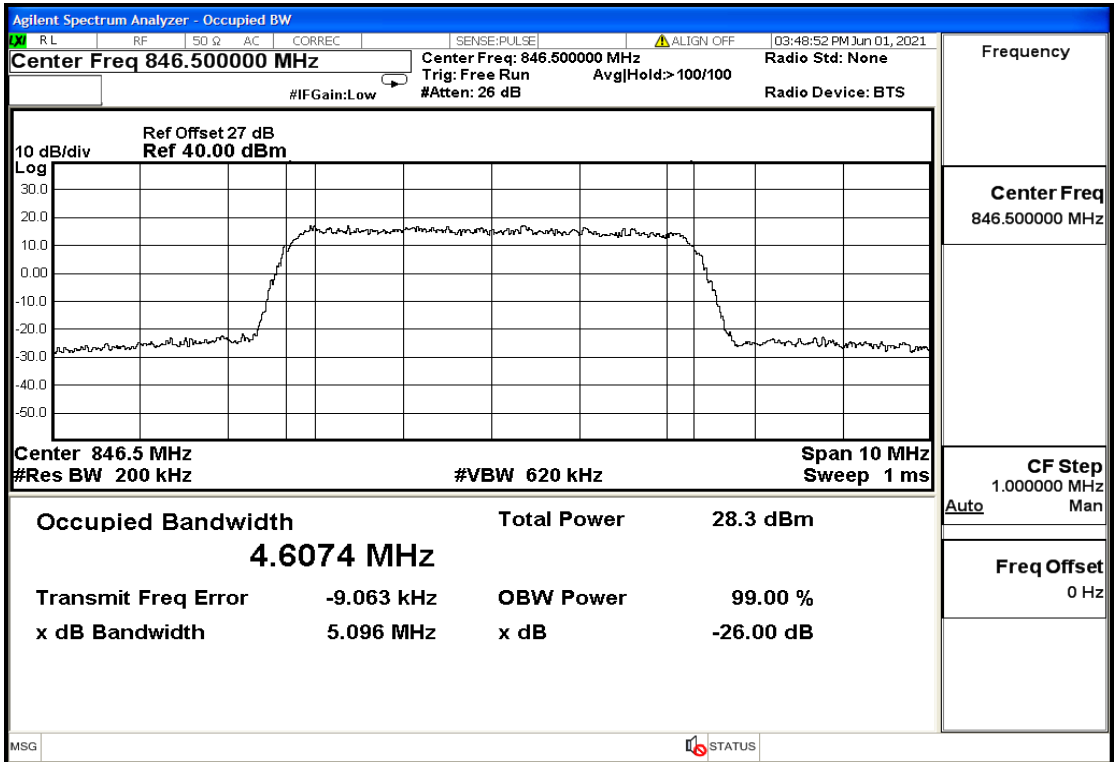
Band5-5-836.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



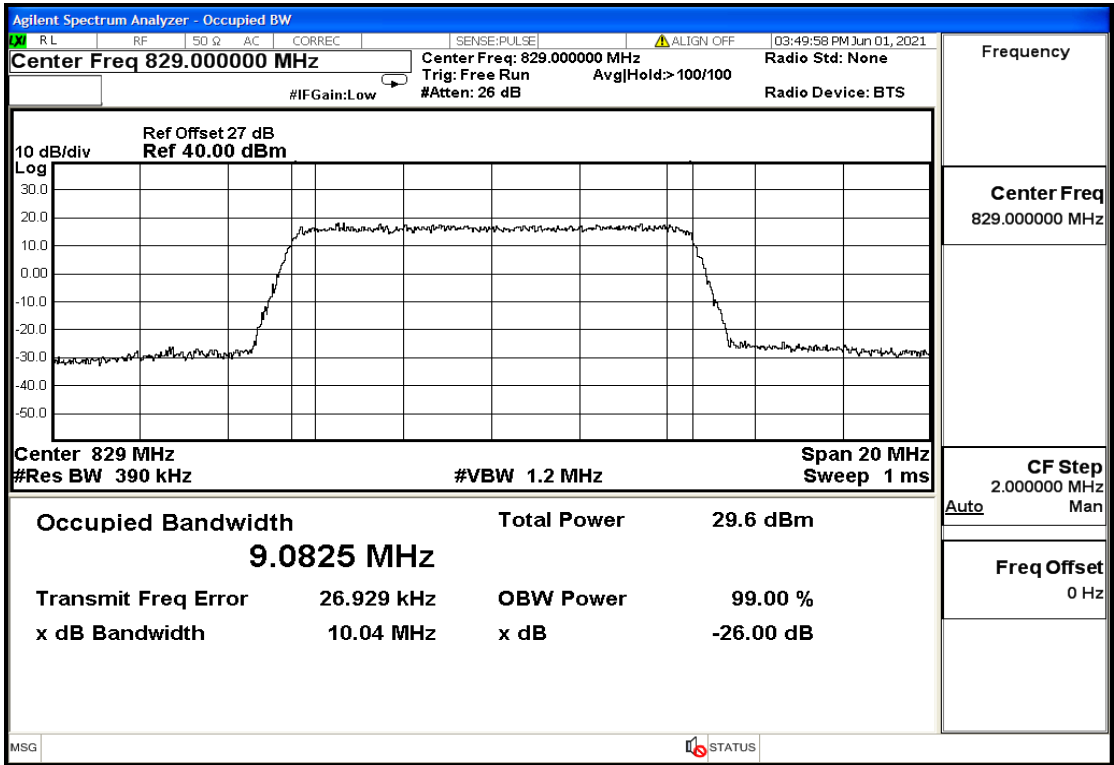
Band5-5-846.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



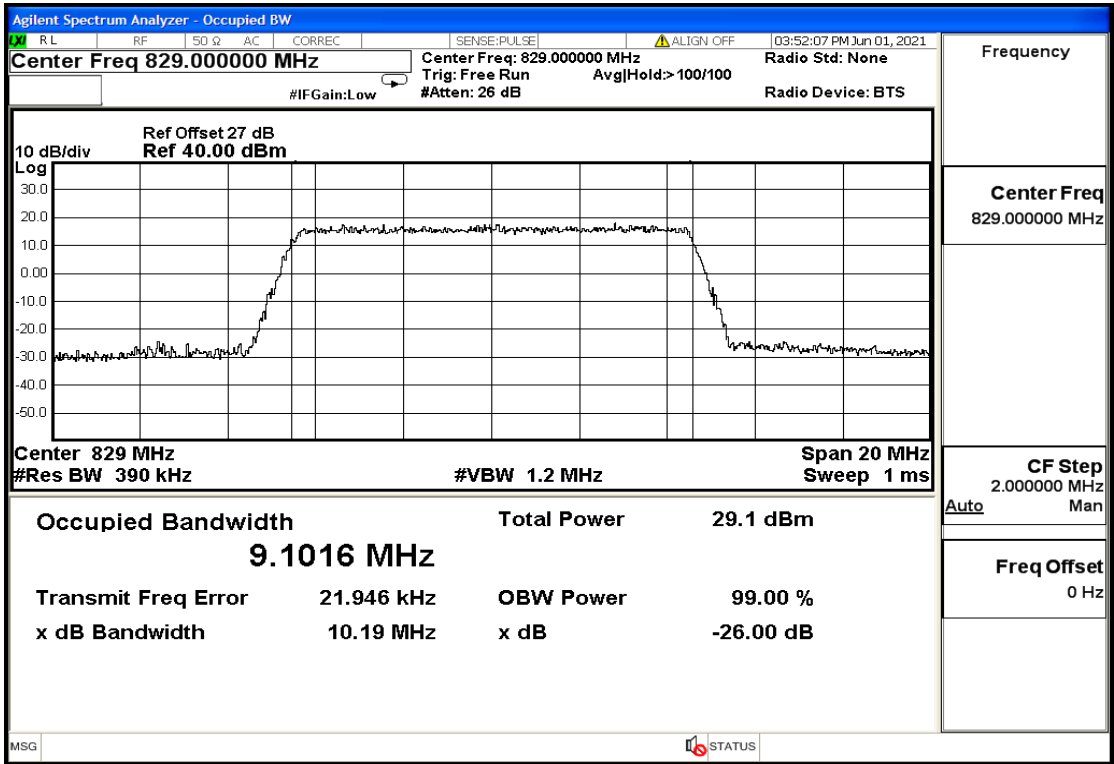
Band5-5-846.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



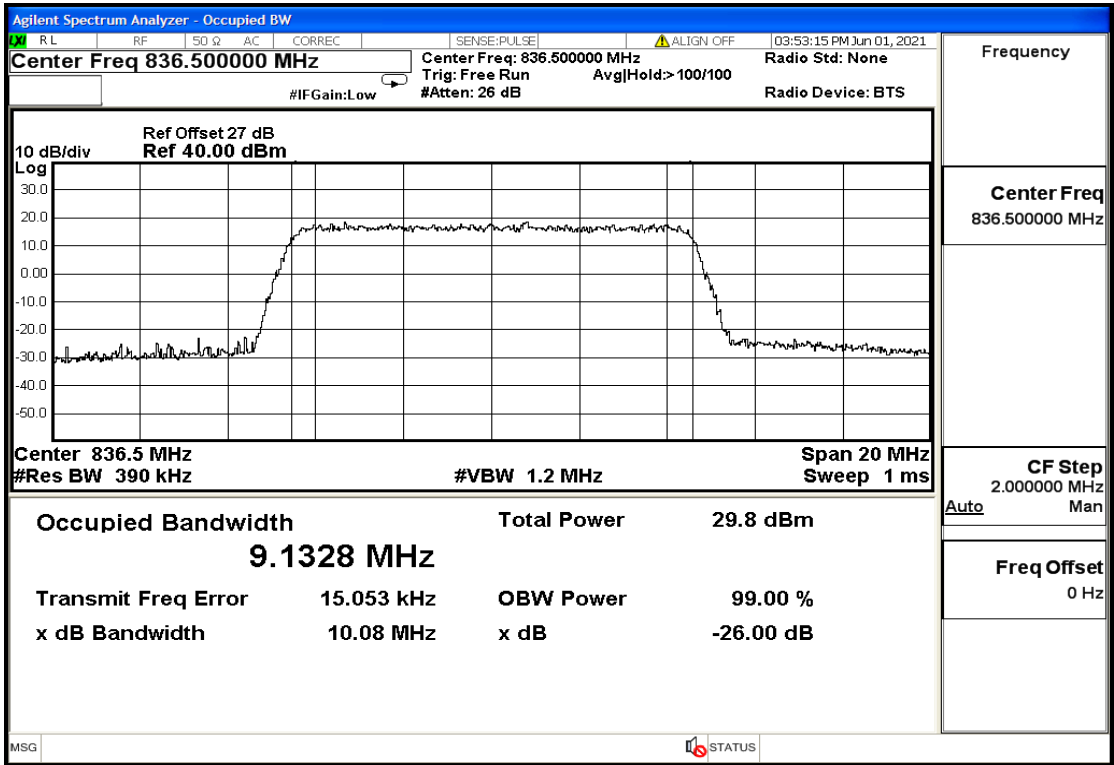
Band5-10-829-QPSK-50#LOW@26dB and 99PCT Bandwidth



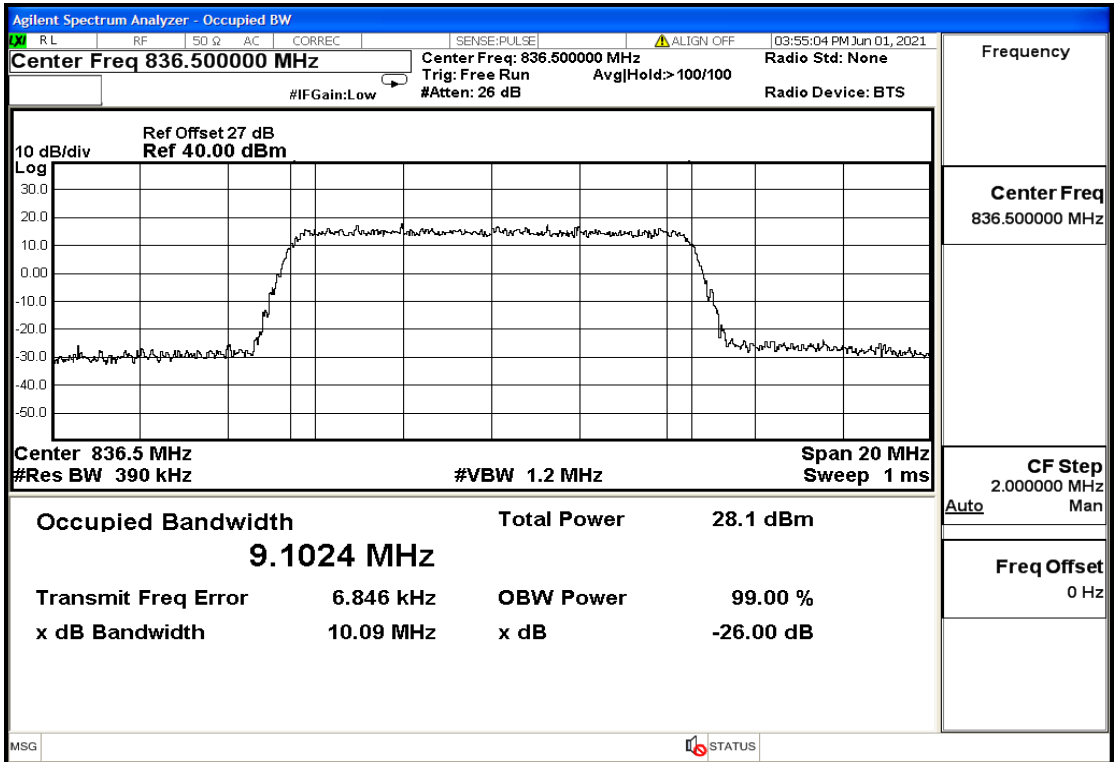
Band5-10-829-16QAM-50#LOW@26dB and 99PCT Bandwidth



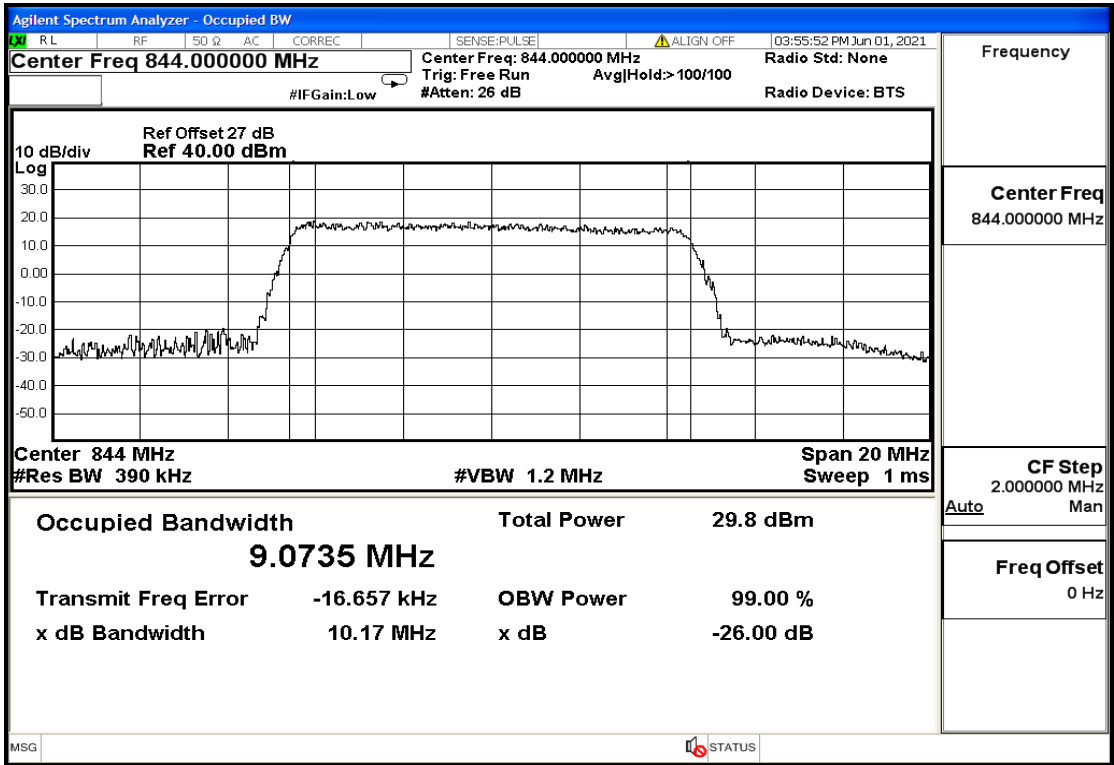
Band5-10-836.5-QPSK-50#LOW@26dB and 99PCT Bandwidth



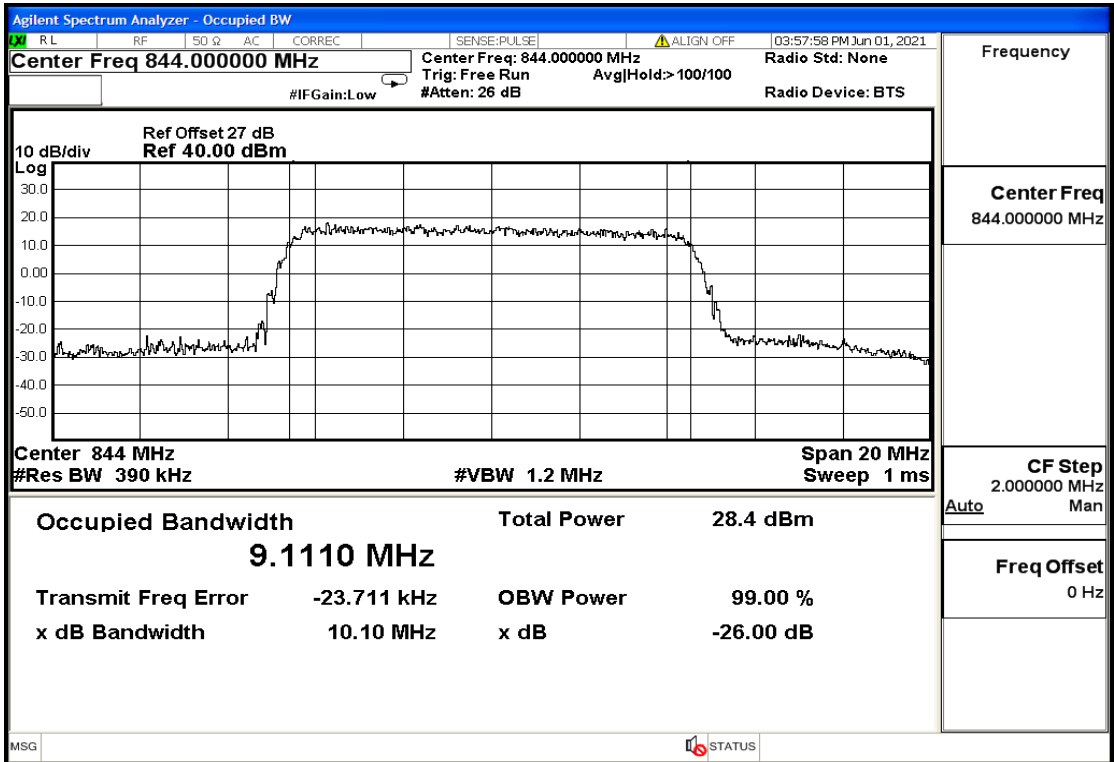
Band5-10-836.5-16QAM-50#LOW@26dB and 99PCT Bandwidth



Band5-10-844-QPSK-50#LOW@26dB and 99PCT Bandwidth



Band5-10-844-16QAM-50#LOW@26dB and 99PCT Bandwidth



Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0067	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0004	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0068	
-20	Normal Voltage	0.0056	
-30	Normal Voltage	0.0063	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0062	

Peak and Average Power

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Average Power	Peak Power	Peak to Average(dB)	limit(dB)	AntGain(dBi)	ERP/EIRP(dBm)	Limit(dBm)	Conclusion
Band5	1.4	824.7	QPSK	6	LOW	21.89	28.42	6.53	13	-2.13	17.61	38.5	Pass
Band5	1.4	824.7	QPSK	3	LOW	22.74	28.89	6.15	13	-2.13	18.46	38.5	Pass
Band5	1.4	824.7	QPSK	3	MID	22.72	28.97	6.25	13	-2.13	18.44	38.5	Pass
Band5	1.4	824.7	QPSK	3	HIGH	22.74	28.8	6.06	13	-2.13	18.46	38.5	Pass
Band5	1.4	824.7	QPSK	1	LOW	22.85	28.49	5.64	13	-2.13	18.57	38.5	Pass
Band5	1.4	824.7	QPSK	1	MID	22.68	28.46	5.78	13	-2.13	18.4	38.5	Pass
Band5	1.4	824.7	QPSK	1	HIGH	22.77	28.48	5.71	13	-2.13	18.49	38.5	Pass
Band5	1.4	824.7	16QAM	6	LOW	21.29	28.79	7.5	13	-2.13	17.01	38.5	Pass
Band5	1.4	824.7	16QAM	3	LOW	21.96	28.26	6.3	13	-2.13	17.68	38.5	Pass
Band5	1.4	824.7	16QAM	3	MID	21.96	28.31	6.35	13	-2.13	17.68	38.5	Pass
Band5	1.4	824.7	16QAM	3	HIGH	22	28.34	6.34	13	-2.13	17.72	38.5	Pass
Band5	1.4	824.7	16QAM	1	LOW	22.43	28.26	5.83	13	-2.13	18.15	38.5	Pass
Band5	1.4	824.7	16QAM	1	MID	22.39	28.23	5.84	13	-2.13	18.11	38.5	Pass
Band5	1.4	824.7	16QAM	1	HIGH	22.51	28.3	5.79	13	-2.13	18.23	38.5	Pass
Band5	1.4	836.5	QPSK	6	LOW	21.66	27.51	5.85	13	-2.13	17.38	38.5	Pass
Band5	1.4	836.5	QPSK	3	LOW	22.8	28.5	5.7	13	-2.13	18.52	38.5	Pass
Band5	1.4	836.5	QPSK	3	MID	22.78	28.42	5.64	13	-2.13	18.5	38.5	Pass
Band5	1.4	836.5	QPSK	3	HIGH	22.78	28.39	5.61	13	-2.13	18.5	38.5	Pass
Band5	1.4	836.5	QPSK	1	LOW	22.79	28.23	5.44	13	-2.13	18.51	38.5	Pass
Band5	1.4	836.5	QPSK	1	MID	22.84	28.24	5.4	13	-2.13	18.56	38.5	Pass
Band5	1.4	836.5	QPSK	1	HIGH	22.94	28.39	5.45	13	-2.13	18.66	38.5	Pass
Band5	1.4	836.5	16QAM	6	LOW	20.97	27.88	6.91	13	-2.13	16.69	38.5	Pass
Band5	1.4	836.5	16QAM	3	LOW	21.96	28.5	6.54	13	-2.13	17.68	38.5	Pass
Band5	1.4	836.5	16QAM	3	MID	21.95	28.54	6.59	13	-2.13	17.67	38.5	Pass
Band5	1.4	836.5	16QAM	3	HIGH	21.91	28.59	6.68	13	-2.13	17.63	38.5	Pass
Band5	1.4	836.5	16QAM	1	LOW	22.09	27.07	4.98	13	-2.13	17.81	38.5	Pass
Band5	1.4	836.5	16QAM	1	MID	22.11	27.03	4.92	13	-2.13	17.83	38.5	Pass
Band5	1.4	836.5	16QAM	1	HIGH	22.15	27.15	5	13	-2.13	17.87	38.5	Pass
Band5	1.4	848.3	QPSK	6	LOW	21.9	27.79	5.89	13	-2.13	17.62	38.5	Pass
Band5	1.4	848.3	QPSK	3	LOW	22.89	28.67	5.78	13	-2.13	18.61	38.5	Pass
Band5	1.4	848.3	QPSK	3	MID	23.02	28.68	5.66	13	-2.13	18.74	38.5	Pass
Band5	1.4	848.3	QPSK	3	HIGH	23.02	28.63	5.61	13	-2.13	18.74	38.5	Pass
Band5	1.4	848.3	QPSK	1	LOW	22.87	27.98	5.11	13	-2.13	18.59	38.5	Pass
Band5	1.4	848.3	QPSK	1	MID	22.88	27.9	5.02	13	-2.13	18.6	38.5	Pass
Band5	1.4	848.3	QPSK	1	HIGH	22.86	27.98	5.12	13	-2.13	18.58	38.5	Pass
Band5	1.4	848.3	16QAM	6	LOW	21.26	28.18	6.92	13	-2.13	16.98	38.5	Pass
Band5	1.4	848.3	16QAM	3	LOW	22.03	28.6	6.57	13	-2.13	17.75	38.5	Pass
Band5	1.4	848.3	16QAM	3	MID	22.15	28.7	6.55	13	-2.13	17.87	38.5	Pass
Band5	1.4	848.3	16QAM	3	HIGH	22	28.53	6.53	13	-2.13	17.72	38.5	Pass
Band5	1.4	848.3	16QAM	1	LOW	21.87	27.09	5.22	13	-2.13	17.59	38.5	Pass

Band5	1.4	848.3	16QAM	1	MID	21.87	27.08	5.21	13	-2.13	17.59	38.5	Pass
Band5	1.4	848.3	16QAM	1	HIGH	21.86	27.04	5.18	13	-2.13	17.58	38.5	Pass
Band5	3	825.5	QPSK	15	LOW	21.82	28.53	6.71	13	-2.13	17.54	38.5	Pass
Band5	3	825.5	QPSK	8	LOW	21.68	27.72	6.04	13	-2.13	17.4	38.5	Pass
Band5	3	825.5	QPSK	8	MID	21.68	27.87	6.19	13	-2.13	17.4	38.5	Pass
Band5	3	825.5	QPSK	8	HIGH	21.75	27.86	6.11	13	-2.13	17.47	38.5	Pass
Band5	3	825.5	QPSK	1	LOW	22.63	27.8	5.17	13	-2.13	18.35	38.5	Pass
Band5	3	825.5	QPSK	1	MID	22.7	27.85	5.15	13	-2.13	18.42	38.5	Pass
Band5	3	825.5	QPSK	1	HIGH	22.73	27.81	5.08	13	-2.13	18.45	38.5	Pass
Band5	3	825.5	16QAM	15	LOW	21.18	27.73	6.55	13	-2.13	16.9	38.5	Pass
Band5	3	825.5	16QAM	8	LOW	21.41	28.44	7.03	13	-2.13	17.13	38.5	Pass
Band5	3	825.5	16QAM	8	MID	21.41	28.49	7.08	13	-2.13	17.13	38.5	Pass
Band5	3	825.5	16QAM	8	HIGH	21.3	28.25	6.95	13	-2.13	17.02	38.5	Pass
Band5	3	825.5	16QAM	1	LOW	22.25	28.87	6.62	13	-2.13	17.97	38.5	Pass
Band5	3	825.5	16QAM	1	MID	22.14	28.65	6.51	13	-2.13	17.86	38.5	Pass
Band5	3	825.5	16QAM	1	HIGH	22.3	28.65	6.35	13	-2.13	18.02	38.5	Pass
Band5	3	836.5	QPSK	15	LOW	21.71	27.97	6.26	13	-2.13	17.43	38.5	Pass
Band5	3	836.5	QPSK	8	LOW	21.74	27.93	6.19	13	-2.13	17.46	38.5	Pass
Band5	3	836.5	QPSK	8	MID	21.74	27.85	6.11	13	-2.13	17.46	38.5	Pass
Band5	3	836.5	QPSK	8	HIGH	21.76	27.86	6.1	13	-2.13	17.48	38.5	Pass
Band5	3	836.5	QPSK	1	LOW	22.85	28.28	5.43	13	-2.13	18.57	38.5	Pass
Band5	3	836.5	QPSK	1	MID	22.82	28.25	5.43	13	-2.13	18.54	38.5	Pass
Band5	3	836.5	QPSK	1	HIGH	22.82	28.27	5.45	13	-2.13	18.54	38.5	Pass
Band5	3	836.5	16QAM	15	LOW	20.88	28.27	7.39	13	-2.13	16.6	38.5	Pass
Band5	3	836.5	16QAM	8	LOW	21.34	27.71	6.37	13	-2.13	17.06	38.5	Pass
Band5	3	836.5	16QAM	8	MID	21.35	27.72	6.37	13	-2.13	17.07	38.5	Pass
Band5	3	836.5	16QAM	8	HIGH	20.94	27.59	6.65	13	-2.13	16.66	38.5	Pass
Band5	3	836.5	16QAM	1	LOW	22.4	27.93	5.53	13	-2.13	18.12	38.5	Pass
Band5	3	836.5	16QAM	1	MID	22.37	27.72	5.35	13	-2.13	18.09	38.5	Pass
Band5	3	836.5	16QAM	1	HIGH	22.45	27.48	5.03	13	-2.13	18.17	38.5	Pass
Band5	3	847.5	QPSK	15	LOW	22.13	28.75	6.62	13	-2.13	17.85	38.5	Pass
Band5	3	847.5	QPSK	8	LOW	22.08	28.41	6.33	13	-2.13	17.8	38.5	Pass
Band5	3	847.5	QPSK	8	MID	22.05	28.44	6.39	13	-2.13	17.77	38.5	Pass
Band5	3	847.5	QPSK	8	HIGH	22.05	28.47	6.42	13	-2.13	17.77	38.5	Pass
Band5	3	847.5	QPSK	1	LOW	23.04	28.31	5.27	13	-2.13	18.76	38.5	Pass
Band5	3	847.5	QPSK	1	MID	22.94	28.07	5.13	13	-2.13	18.66	38.5	Pass
Band5	3	847.5	QPSK	1	HIGH	22.95	28.03	5.08	13	-2.13	18.67	38.5	Pass
Band5	3	847.5	16QAM	15	LOW	20.86	27.78	6.92	13	-2.13	16.58	38.5	Pass
Band5	3	847.5	16QAM	8	LOW	20.98	27.56	6.58	13	-2.13	16.7	38.5	Pass
Band5	3	847.5	16QAM	8	MID	21.03	27.96	6.93	13	-2.13	16.75	38.5	Pass
Band5	3	847.5	16QAM	8	HIGH	21.2	27.75	6.55	13	-2.13	16.92	38.5	Pass
Band5	3	847.5	16QAM	1	LOW	21.65	27.01	5.36	13	-2.13	17.37	38.5	Pass
Band5	3	847.5	16QAM	1	MID	21.72	26.92	5.2	13	-2.13	17.44	38.5	Pass
Band5	3	847.5	16QAM	1	HIGH	21.78	26.98	5.2	13	-2.13	17.5	38.5	Pass
Band5	5	826.5	QPSK	25	LOW	22.07	28.5	6.43	13	-2.13	17.79	38.5	Pass
Band5	5	826.5	QPSK	12	LOW	21.63	27.9	6.27	13	-2.13	17.35	38.5	Pass

Band5	5	826.5	QPSK	12	MID	21.63	27.73	6.1	13	-2.13	17.35	38.5	Pass
Band5	5	826.5	QPSK	12	HIGH	21.73	27.86	6.13	13	-2.13	17.45	38.5	Pass
Band5	5	826.5	QPSK	1	LOW	22.75	29.19	6.44	13	-2.13	18.47	38.5	Pass
Band5	5	826.5	QPSK	1	MID	22.58	29.04	6.46	13	-2.13	18.3	38.5	Pass
Band5	5	826.5	QPSK	1	HIGH	22.6	28.96	6.36	13	-2.13	18.32	38.5	Pass
Band5	5	826.5	16QAM	25	LOW	20.76	28.06	7.3	13	-2.13	16.48	38.5	Pass
Band5	5	826.5	16QAM	12	LOW	21.17	28.63	7.46	13	-2.13	16.89	38.5	Pass
Band5	5	826.5	16QAM	12	MID	21.18	28.74	7.56	13	-2.13	16.9	38.5	Pass
Band5	5	826.5	16QAM	12	HIGH	20.88	28.59	7.71	13	-2.13	16.6	38.5	Pass
Band5	5	826.5	16QAM	1	LOW	21.16	27.06	5.9	13	-2.13	16.88	38.5	Pass
Band5	5	826.5	16QAM	1	MID	21.15	27.04	5.89	13	-2.13	16.87	38.5	Pass
Band5	5	826.5	16QAM	1	HIGH	21.08	26.95	5.87	13	-2.13	16.8	38.5	Pass
Band5	5	836.5	QPSK	25	LOW	21.77	28.55	6.78	13	-2.13	17.49	38.5	Pass
Band5	5	836.5	QPSK	12	LOW	21.68	28.2	6.52	13	-2.13	17.4	38.5	Pass
Band5	5	836.5	QPSK	12	MID	21.69	28.41	6.72	13	-2.13	17.41	38.5	Pass
Band5	5	836.5	QPSK	12	HIGH	21.82	28.53	6.71	13	-2.13	17.54	38.5	Pass
Band5	5	836.5	QPSK	1	LOW	22.82	28.26	5.44	13	-2.13	18.54	38.5	Pass
Band5	5	836.5	QPSK	1	MID	22.91	28.09	5.18	13	-2.13	18.63	38.5	Pass
Band5	5	836.5	QPSK	1	HIGH	22.73	27.98	5.25	13	-2.13	18.45	38.5	Pass
Band5	5	836.5	16QAM	25	LOW	20.82	28.99	8.17	13	-2.13	16.54	38.5	Pass
Band5	5	836.5	16QAM	12	LOW	21.25	28.04	6.79	13	-2.13	16.97	38.5	Pass
Band5	5	836.5	16QAM	12	MID	21.25	28.09	6.84	13	-2.13	16.97	38.5	Pass
Band5	5	836.5	16QAM	12	HIGH	20.82	27.62	6.8	13	-2.13	16.54	38.5	Pass
Band5	5	836.5	16QAM	1	LOW	22.03	27.9	5.87	13	-2.13	17.75	38.5	Pass
Band5	5	836.5	16QAM	1	MID	21.95	27.85	5.9	13	-2.13	17.67	38.5	Pass
Band5	5	836.5	16QAM	1	HIGH	21.99	27.84	5.85	13	-2.13	17.71	38.5	Pass
Band5	5	846.5	QPSK	25	LOW	21.99	28.47	6.48	13	-2.13	17.71	38.5	Pass
Band5	5	846.5	QPSK	12	LOW	21.89	28.01	6.12	13	-2.13	17.61	38.5	Pass
Band5	5	846.5	QPSK	12	MID	21.9	27.83	5.93	13	-2.13	17.62	38.5	Pass
Band5	5	846.5	QPSK	12	HIGH	21.94	28.01	6.07	13	-2.13	17.66	38.5	Pass
Band5	5	846.5	QPSK	1	LOW	22.86	28.44	5.58	13	-2.13	18.58	38.5	Pass
Band5	5	846.5	QPSK	1	MID	22.85	28.5	5.65	13	-2.13	18.57	38.5	Pass
Band5	5	846.5	QPSK	1	HIGH	22.83	28.28	5.45	13	-2.13	18.55	38.5	Pass
Band5	5	846.5	16QAM	25	LOW	20.67	28.59	7.92	13	-2.13	16.39	38.5	Pass
Band5	5	846.5	16QAM	12	LOW	21.17	28.25	7.08	13	-2.13	16.89	38.5	Pass
Band5	5	846.5	16QAM	12	MID	21.19	28.16	6.97	13	-2.13	16.91	38.5	Pass
Band5	5	846.5	16QAM	12	HIGH	20.63	27.79	7.16	13	-2.13	16.35	38.5	Pass
Band5	5	846.5	16QAM	1	LOW	21.69	28.02	6.33	13	-2.13	17.41	38.5	Pass
Band5	5	846.5	16QAM	1	MID	21.56	27.95	6.39	13	-2.13	17.28	38.5	Pass
Band5	5	846.5	16QAM	1	HIGH	21.47	27.8	6.33	13	-2.13	17.19	38.5	Pass
Band5	10	829	QPSK	50	LOW	21.76	28.27	6.51	13	-2.13	17.48	38.5	Pass
Band5	10	829	QPSK	25	LOW	21.97	28.47	6.5	13	-2.13	17.69	38.5	Pass
Band5	10	829	QPSK	25	MID	21.84	28.35	6.51	13	-2.13	17.56	38.5	Pass
Band5	10	829	QPSK	25	HIGH	21.66	28.25	6.59	13	-2.13	17.38	38.5	Pass
Band5	10	829	QPSK	1	LOW	22.67	27.84	5.17	13	-2.13	18.39	38.5	Pass
Band5	10	829	QPSK	1	MID	22.59	27.68	5.09	13	-2.13	18.31	38.5	Pass

Band5	10	829	QPSK	1	HIGH	22.74	27.8	5.06	13	-2.13	18.46	38.5	Pass
Band5	10	829	16QAM	50	LOW	21.08	29.05	7.97	13	-2.13	16.8	38.5	Pass
Band5	10	829	16QAM	25	LOW	20.9	28.37	7.47	13	-2.13	16.62	38.5	Pass
Band5	10	829	16QAM	25	MID	20.91	28.45	7.54	13	-2.13	16.63	38.5	Pass
Band5	10	829	16QAM	25	HIGH	21.18	28.62	7.44	13	-2.13	16.9	38.5	Pass
Band5	10	829	16QAM	1	LOW	22.09	28.61	6.52	13	-2.13	17.81	38.5	Pass
Band5	10	829	16QAM	1	MID	22.1	28.53	6.43	13	-2.13	17.82	38.5	Pass
Band5	10	829	16QAM	1	HIGH	22.09	28.62	6.53	13	-2.13	17.81	38.5	Pass
Band5	10	836.5	QPSK	50	LOW	21.89	28.16	6.27	13	-2.13	17.61	38.5	Pass
Band5	10	836.5	QPSK	25	LOW	21.8	28.26	6.46	13	-2.13	17.52	38.5	Pass
Band5	10	836.5	QPSK	25	MID	21.8	28.21	6.41	13	-2.13	17.52	38.5	Pass
Band5	10	836.5	QPSK	25	HIGH	22.01	28.48	6.47	13	-2.13	17.73	38.5	Pass
Band5	10	836.5	QPSK	1	LOW	23	28.44	5.44	13	-2.13	18.72	38.5	Pass
Band5	10	836.5	QPSK	1	MID	23.05	28.45	5.4	13	-2.13	18.77	38.5	Pass
Band5	10	836.5	QPSK	1	HIGH	23.16	28.53	5.37	13	-2.13	18.88	38.5	Pass
Band5	10	836.5	16QAM	50	LOW	20.74	28.26	7.52	13	-2.13	16.46	38.5	Pass
Band5	10	836.5	16QAM	25	LOW	21.31	28.91	7.6	13	-2.13	17.03	38.5	Pass
Band5	10	836.5	16QAM	25	MID	21.32	28.92	7.6	13	-2.13	17.04	38.5	Pass
Band5	10	836.5	16QAM	25	HIGH	20.91	28.66	7.75	13	-2.13	16.63	38.5	Pass
Band5	10	836.5	16QAM	1	LOW	22	27.39	5.39	13	-2.13	17.72	38.5	Pass
Band5	10	836.5	16QAM	1	MID	21.95	26.95	5	13	-2.13	17.67	38.5	Pass
Band5	10	836.5	16QAM	1	HIGH	22.48	28.51	6.03	13	-2.13	18.2	38.5	Pass
Band5	10	844	QPSK	50	LOW	22.21	28.3	6.09	13	-2.13	17.93	38.5	Pass
Band5	10	844	QPSK	25	LOW	22.15	28.93	6.78	13	-2.13	17.87	38.5	Pass
Band5	10	844	QPSK	25	MID	22.16	28.85	6.69	13	-2.13	17.88	38.5	Pass
Band5	10	844	QPSK	25	HIGH	22.07	28.87	6.8	13	-2.13	17.79	38.5	Pass
Band5	10	844	QPSK	1	LOW	22.71	27.95	5.24	13	-2.13	18.43	38.5	Pass
Band5	10	844	QPSK	1	MID	22.96	28.26	5.3	13	-2.13	18.68	38.5	Pass
Band5	10	844	QPSK	1	HIGH	23.01	28.17	5.16	13	-2.13	18.73	38.5	Pass
Band5	10	844	16QAM	50	LOW	21.21	29.09	7.88	13	-2.13	16.93	38.5	Pass
Band5	10	844	16QAM	25	LOW	21.42	28.7	7.28	13	-2.13	17.14	38.5	Pass
Band5	10	844	16QAM	25	MID	21.45	28.71	7.26	13	-2.13	17.17	38.5	Pass
Band5	10	844	16QAM	25	HIGH	20.97	28.26	7.29	13	-2.13	16.69	38.5	Pass
Band5	10	844	16QAM	1	LOW	21.51	26.82	5.31	13	-2.13	17.23	38.5	Pass
Band5	10	844	16QAM	1	MID	21.97	27.24	5.27	13	-2.13	17.69	38.5	Pass
Band5	10	844	16QAM	1	HIGH	21.67	27	5.33	13	-2.13	17.39	38.5	Pass