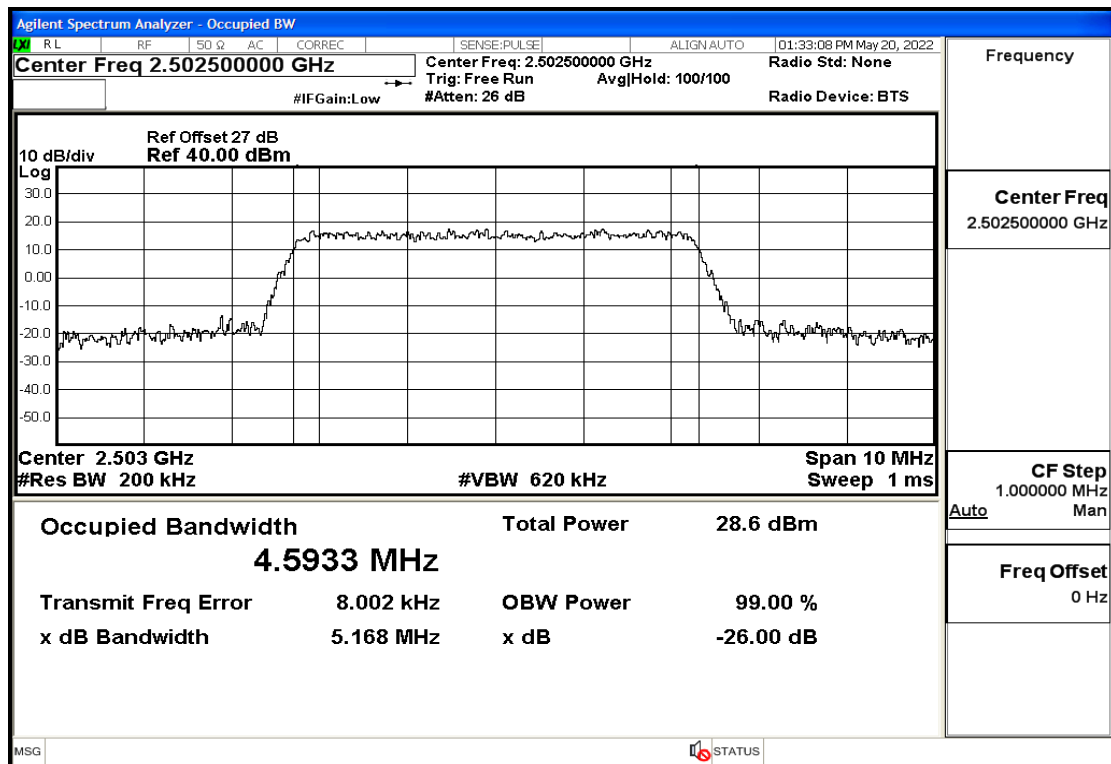
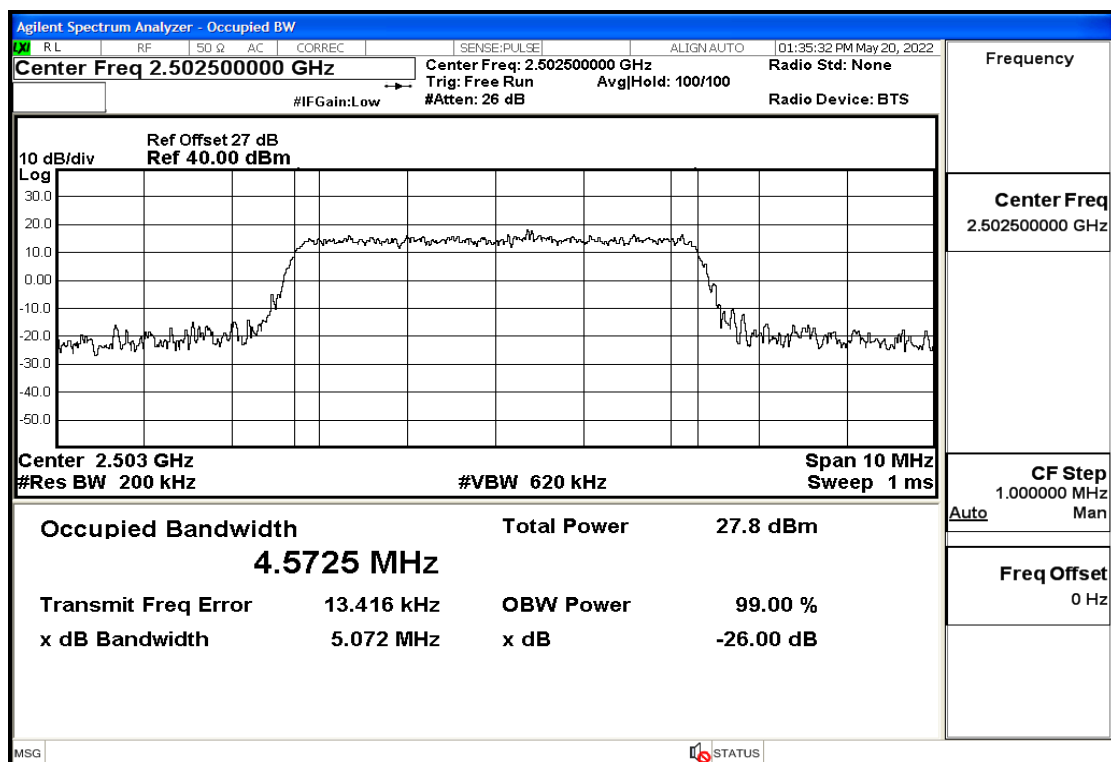


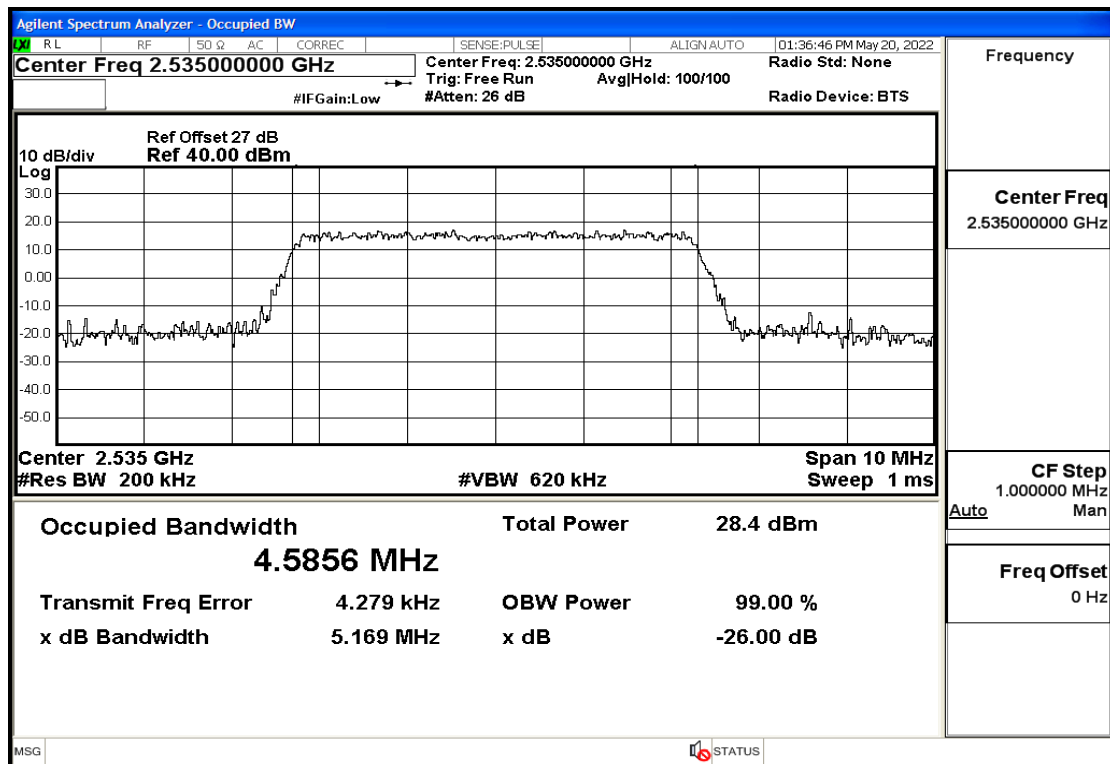
Band7-5-2502.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



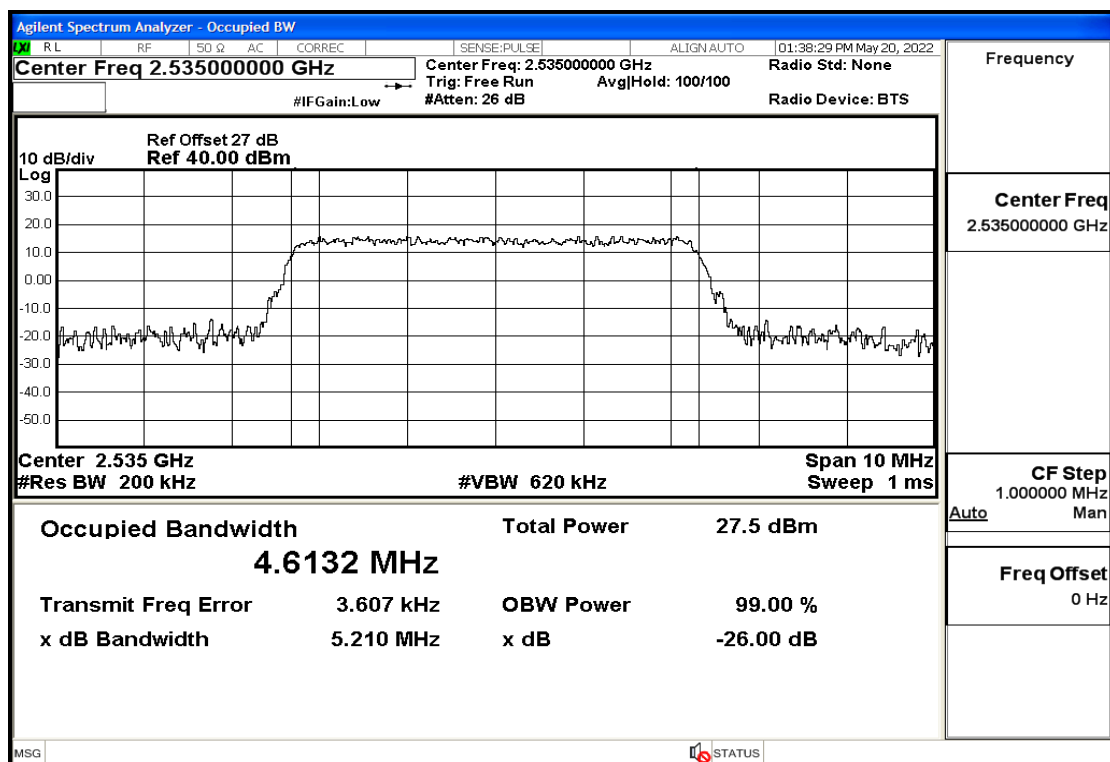
Band7-5-2502.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



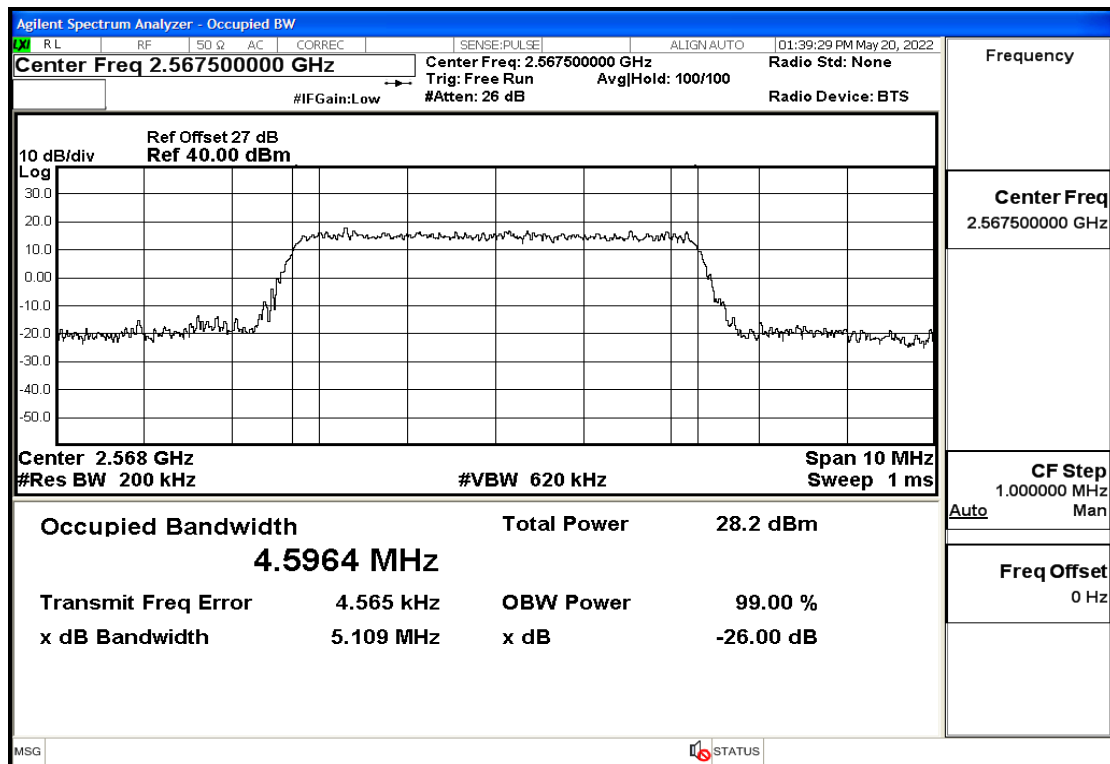
Band7-5-2535-QPSK-25#LOW@26dB and 99PCT Bandwidth



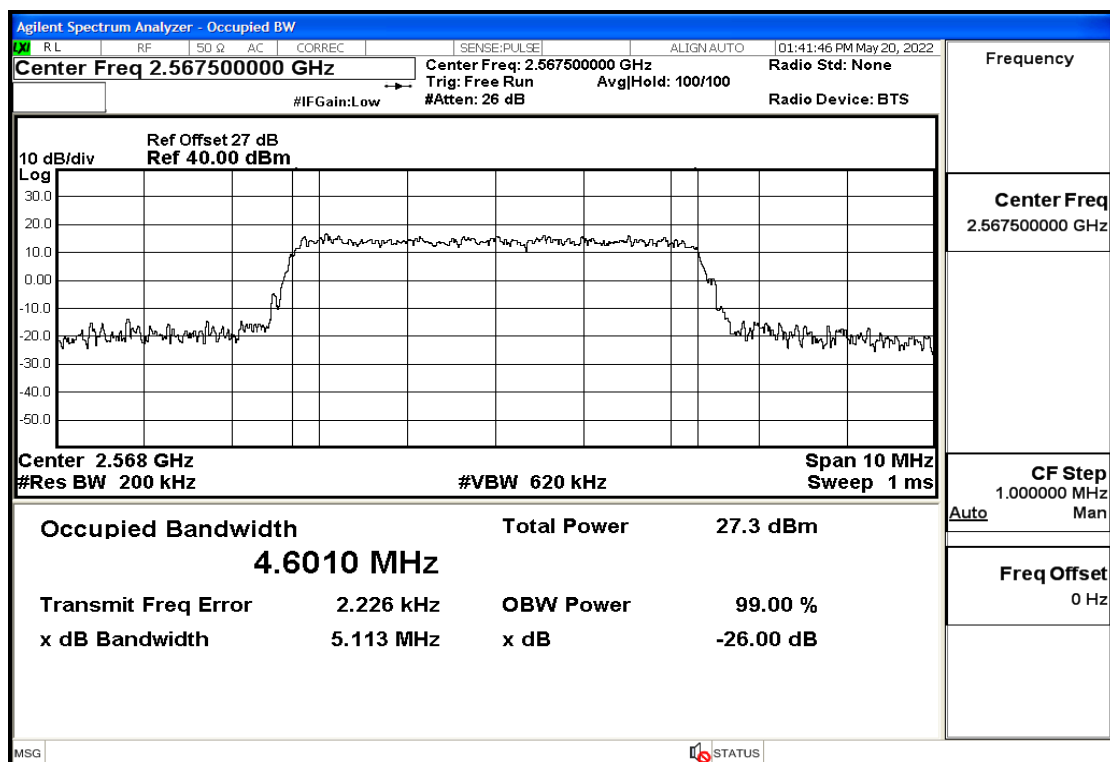
Band7-5-2535-16QAM-25#LOW@26dB and 99PCT Bandwidth



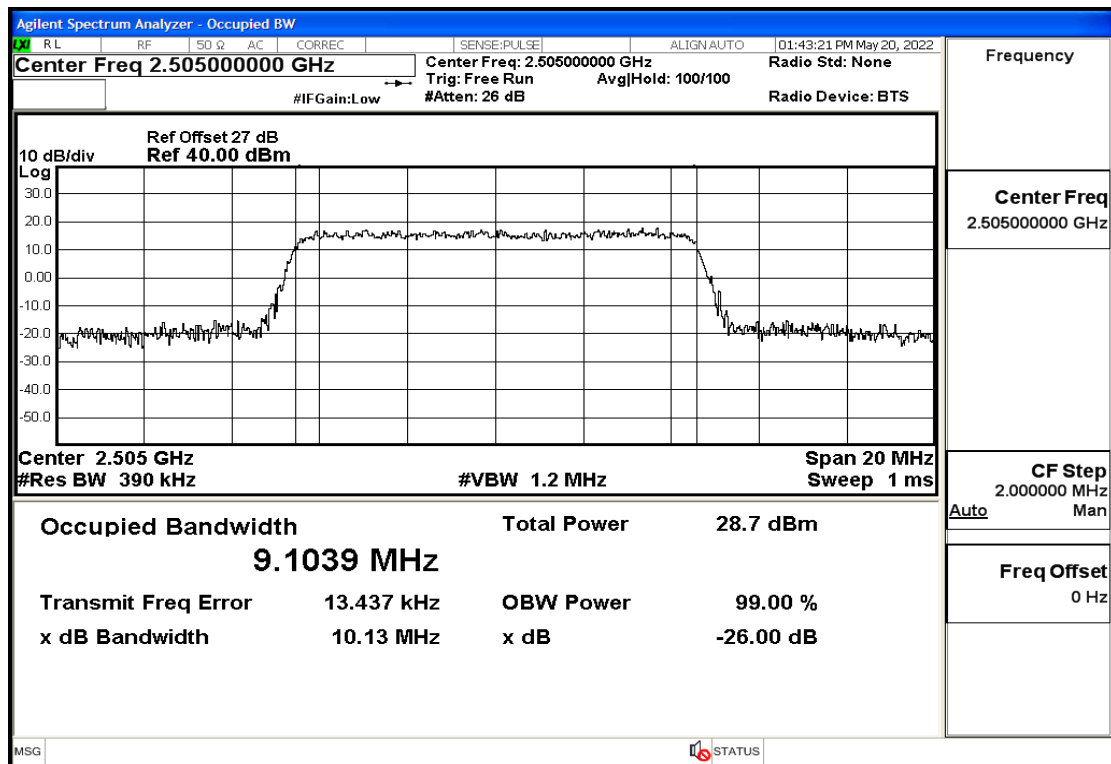
Band7-5-2567.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



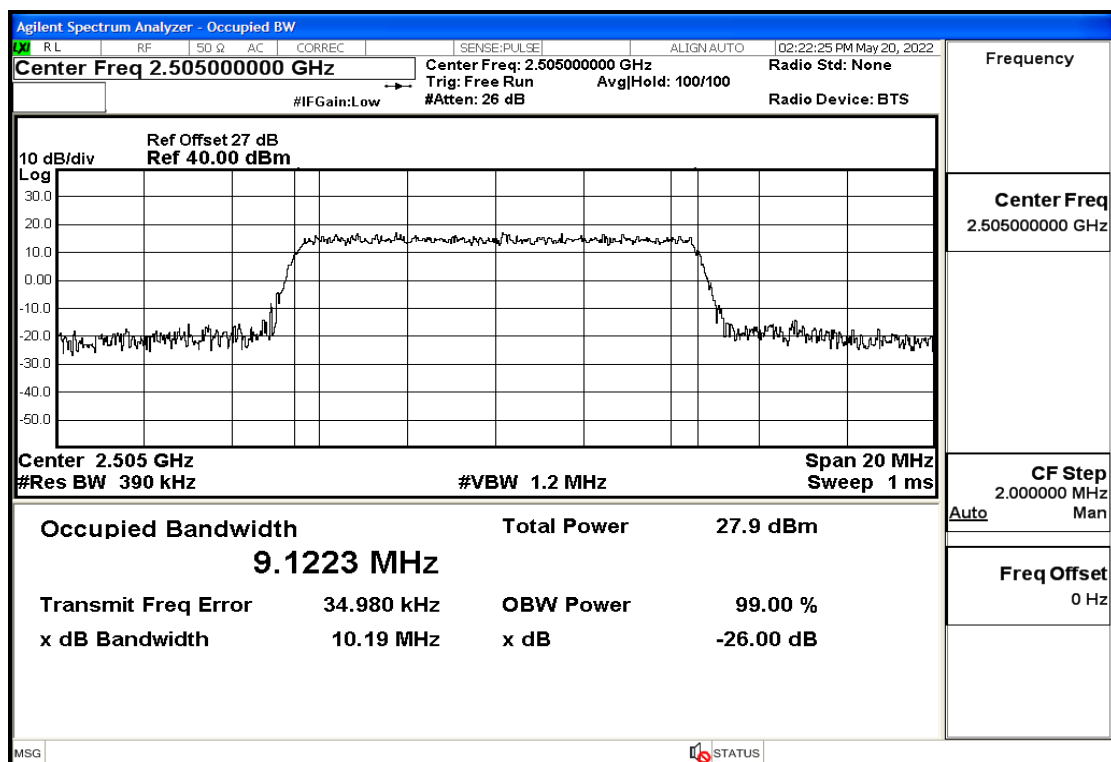
Band7-5-2567.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



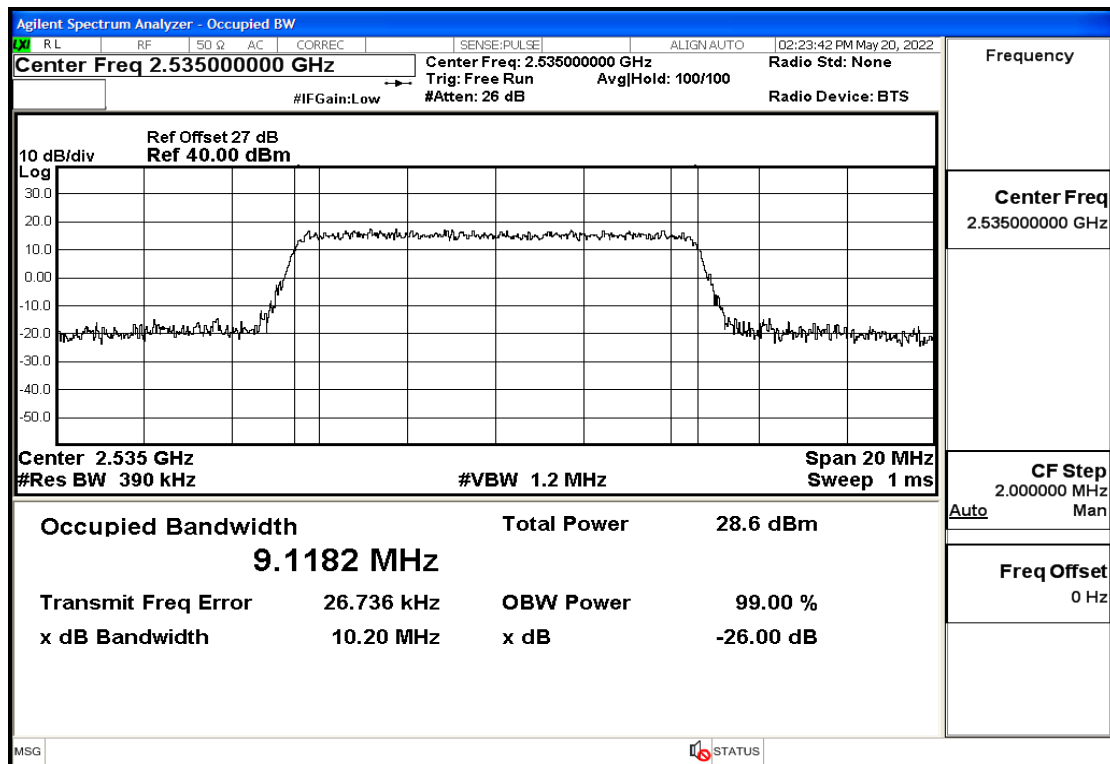
Band7-10-2505-QPSK-50#LOW@26dB and 99PCT Bandwidth



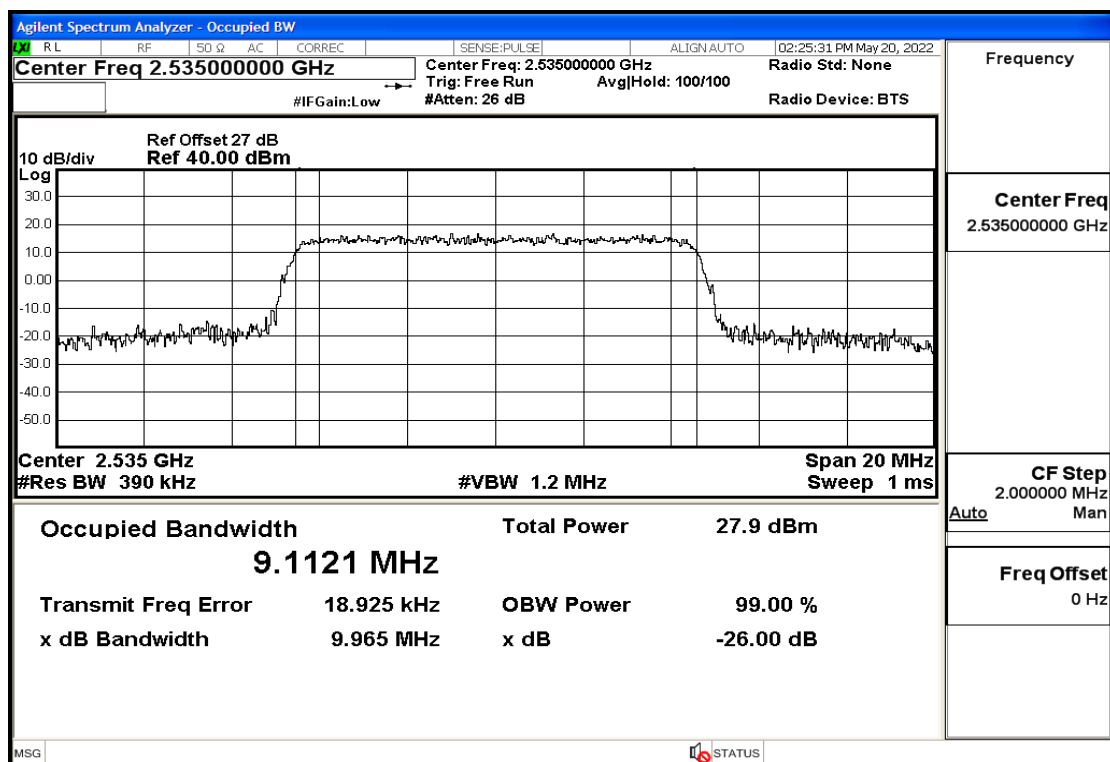
Band7-10-2505-16QAM-50#LOW@26dB and 99PCT Bandwidth



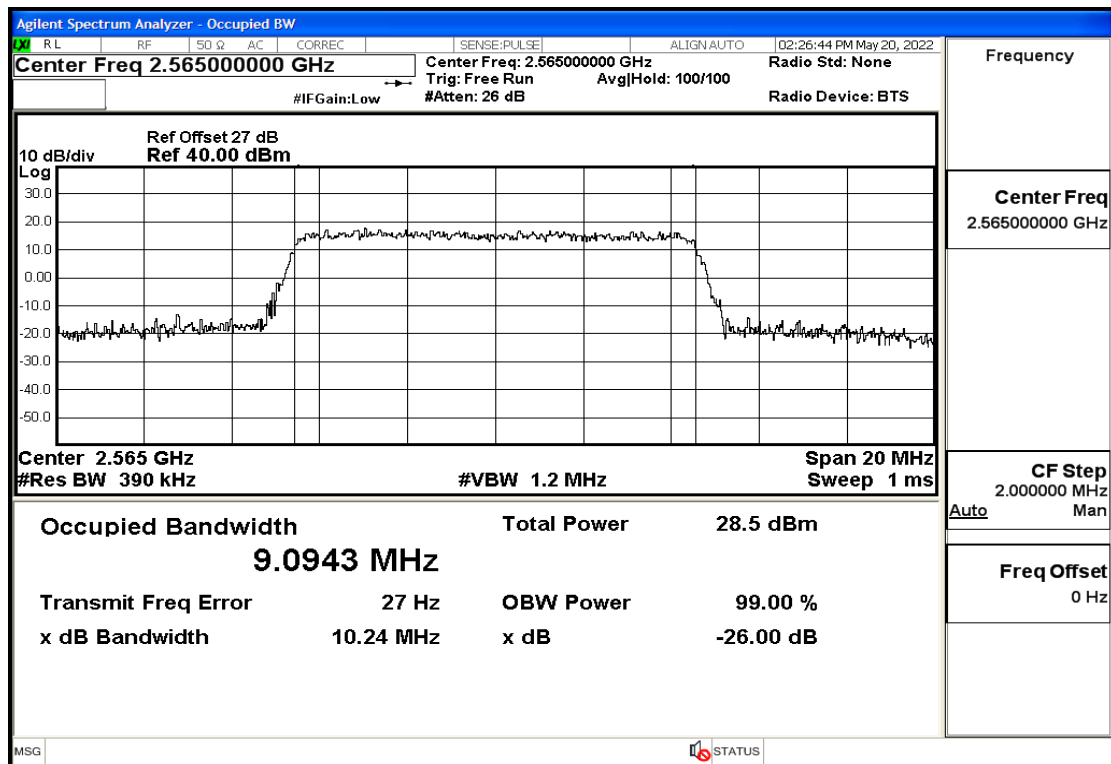
Band7-10-2535-QPSK-50#LOW@26dB and 99PCT Bandwidth



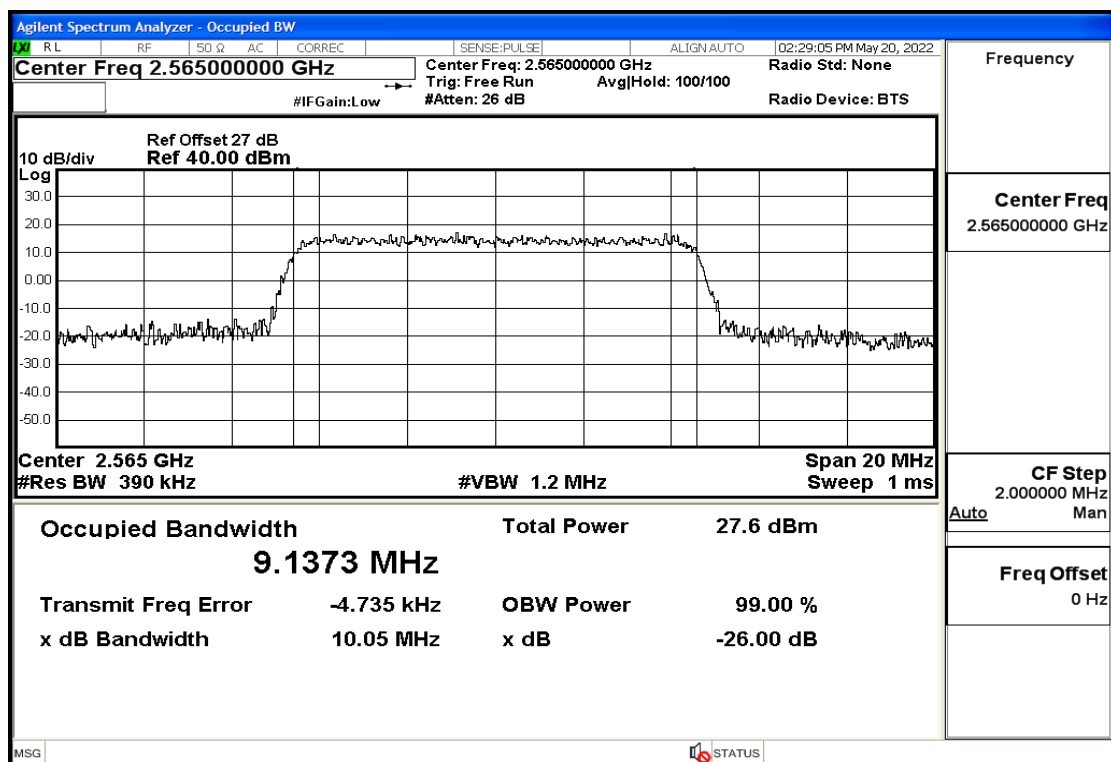
Band7-10-2535-16QAM-50#LOW@26dB and 99PCT Bandwidth



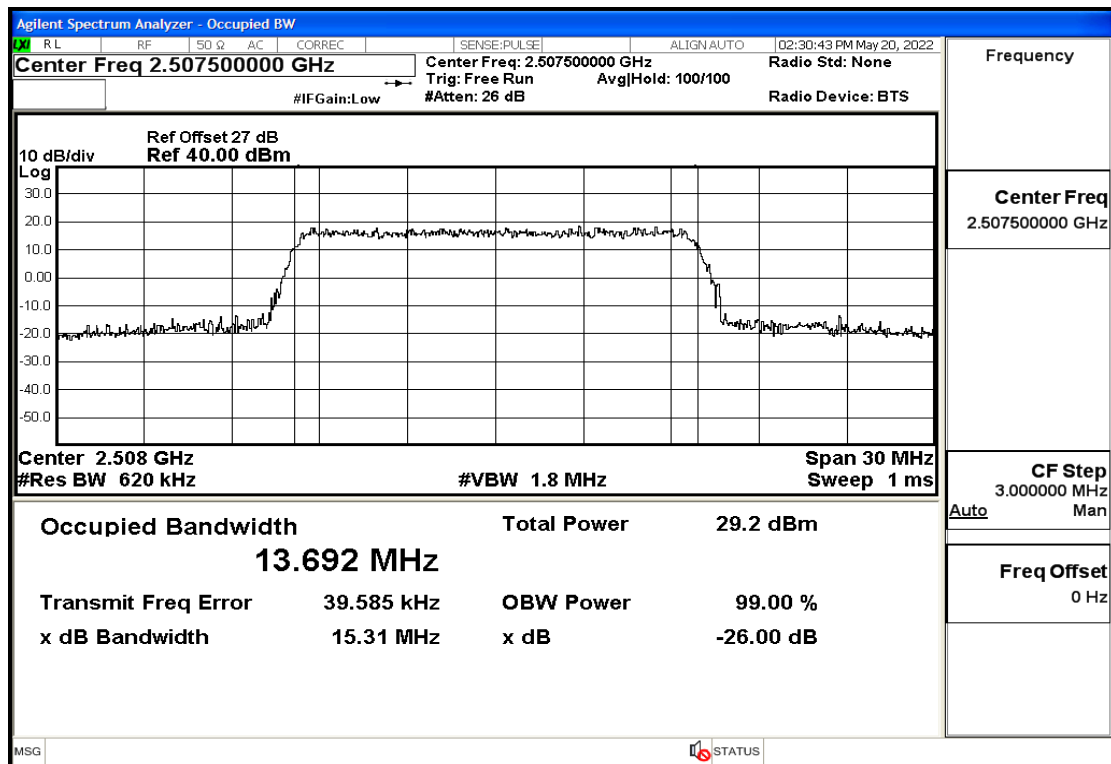
Band7-10-2565-QPSK-50#LOW@26dB and 99PCT Bandwidth



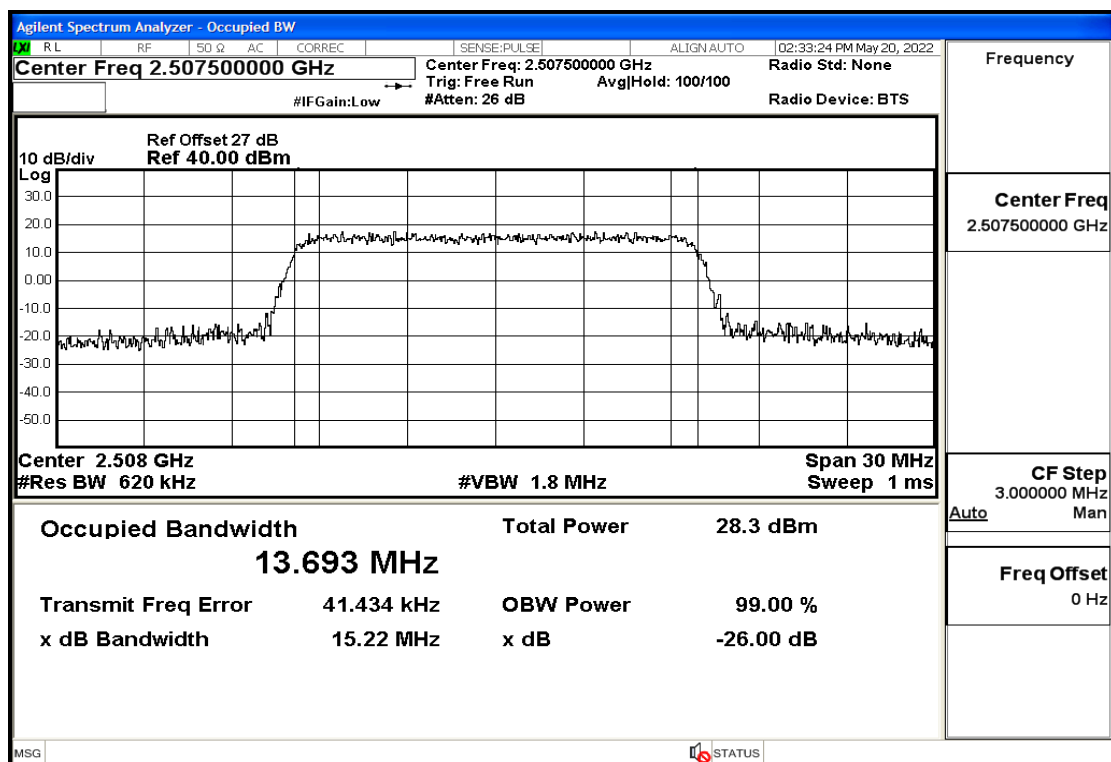
Band7-10-2565-16QAM-50#LOW@26dB and 99PCT Bandwidth



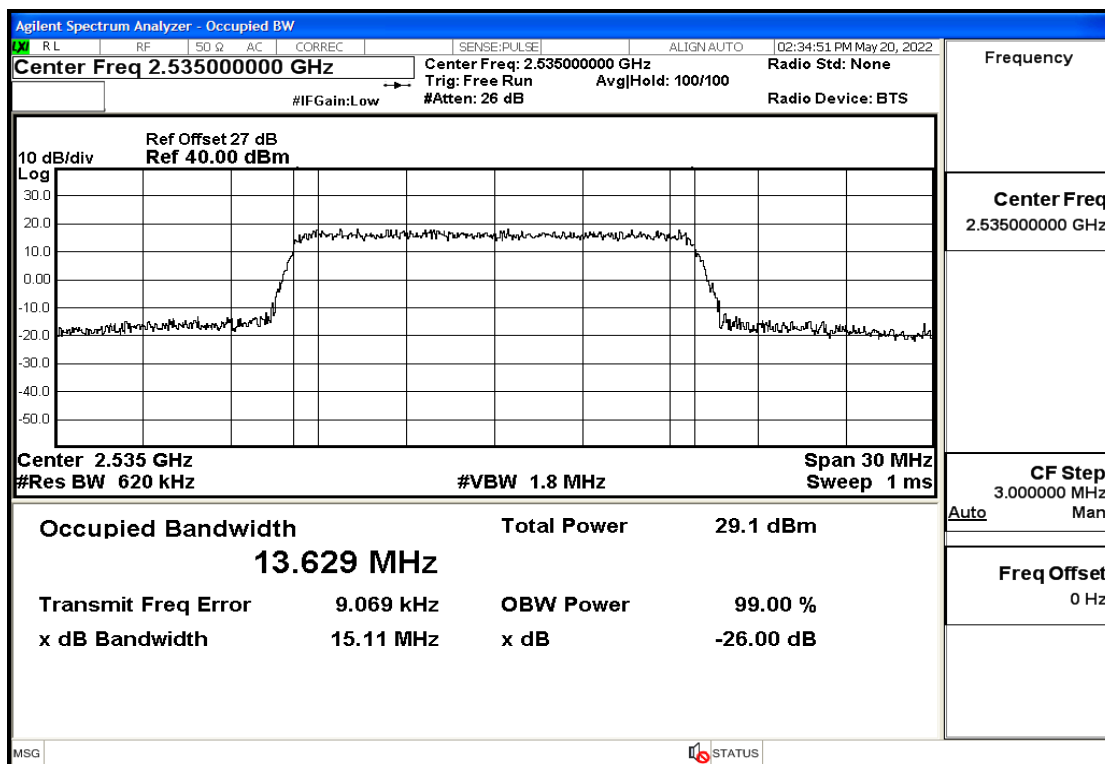
Band7-15-2507.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



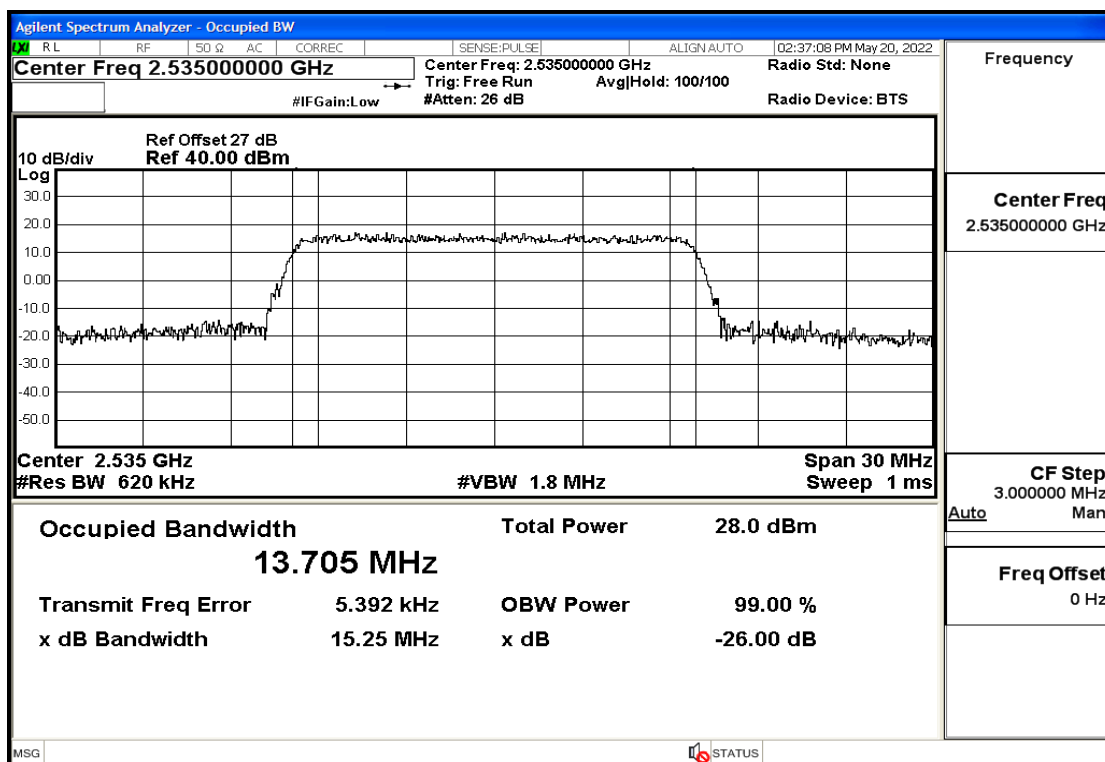
Band7-15-2507.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



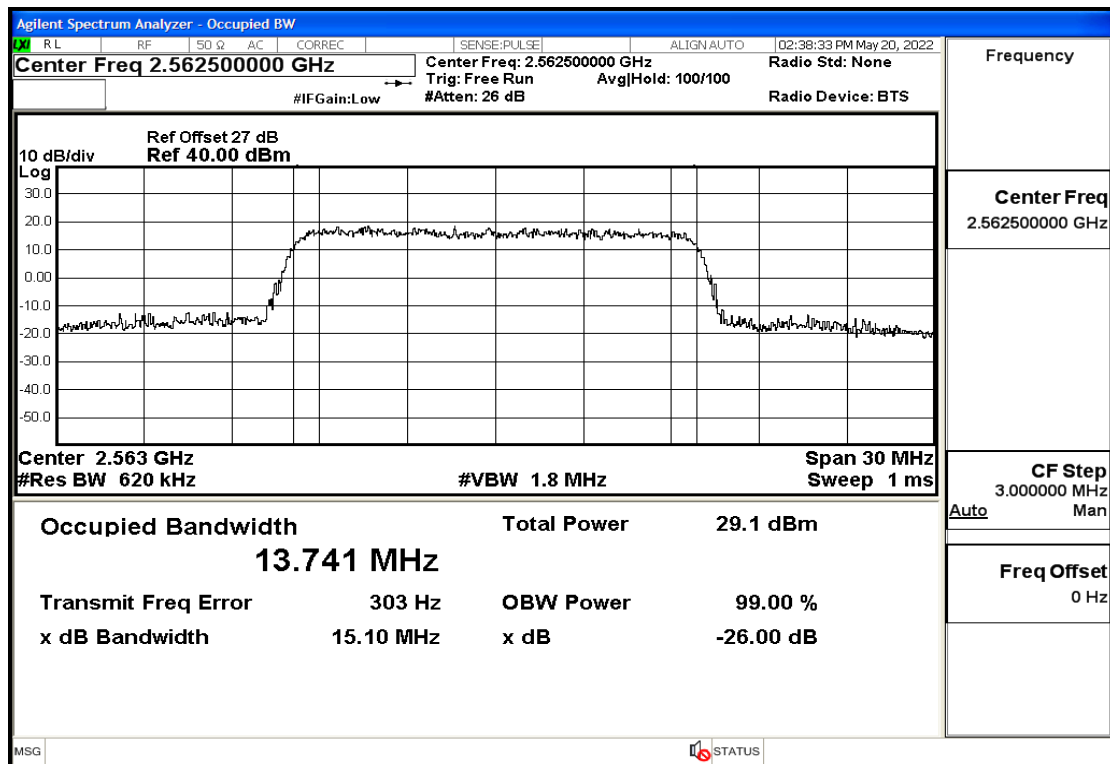
Band7-15-2535-QPSK-75#LOW@26dB and 99PCT Bandwidth



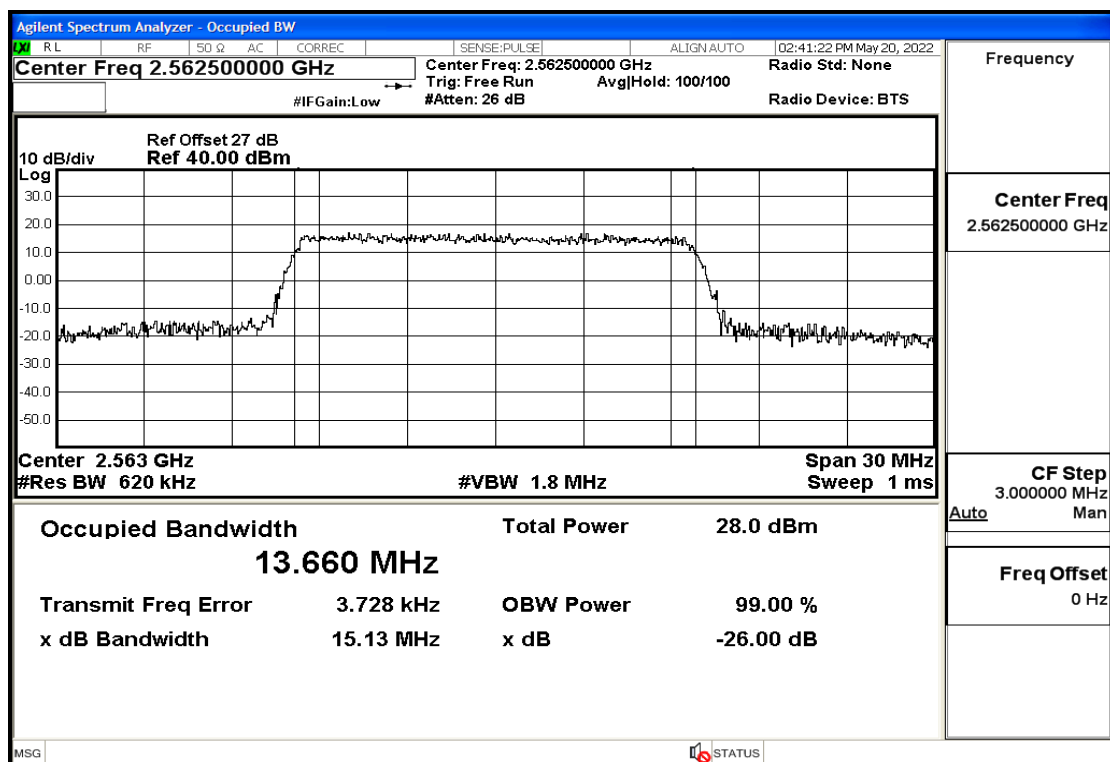
Band7-15-2535-16QAM-75#LOW@26dB and 99PCT Bandwidth



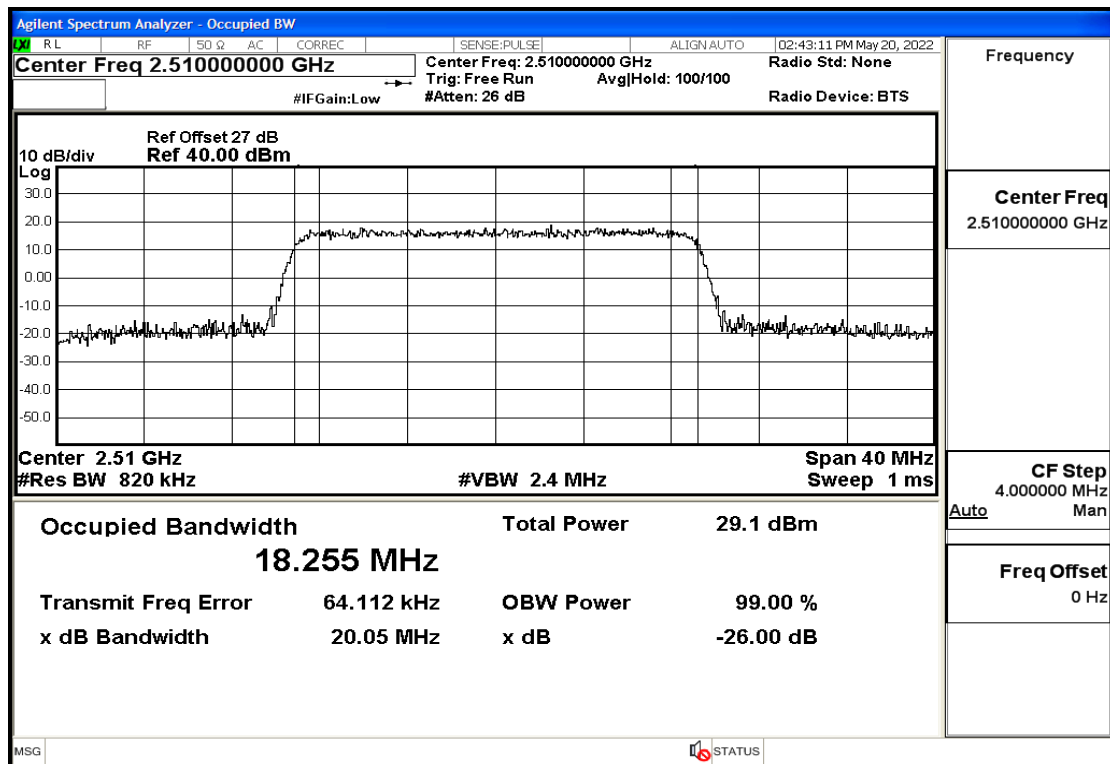
Band7-15-2562.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



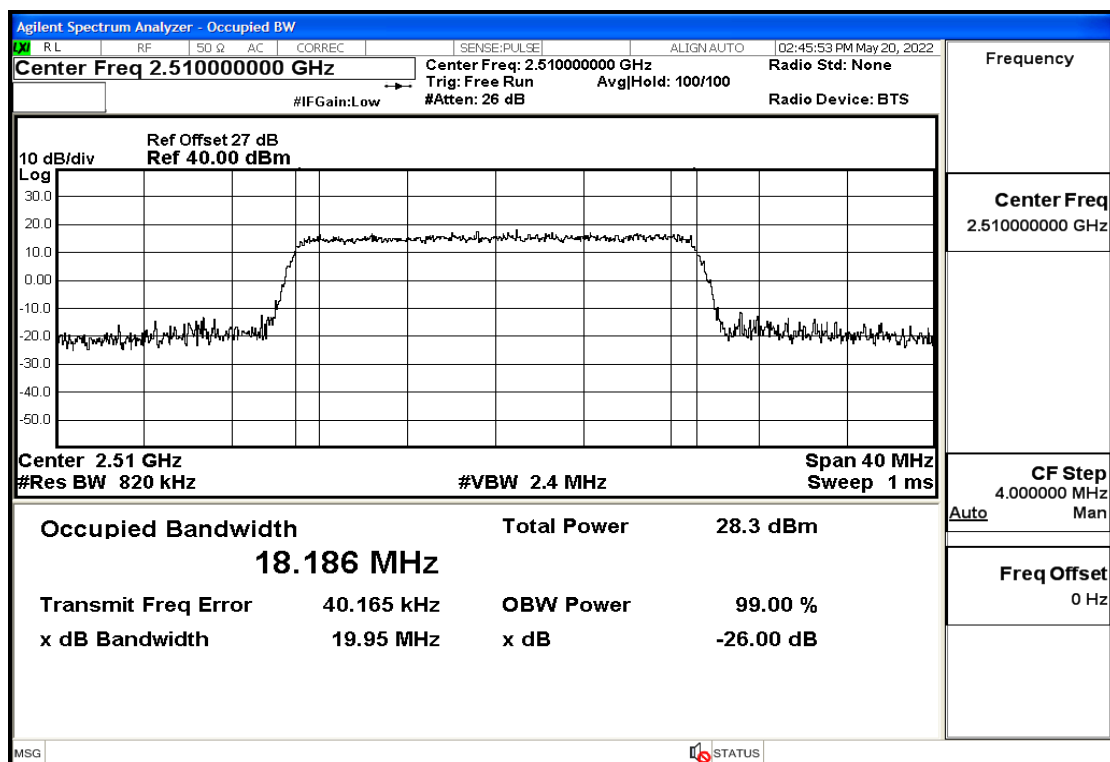
Band7-15-2562.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



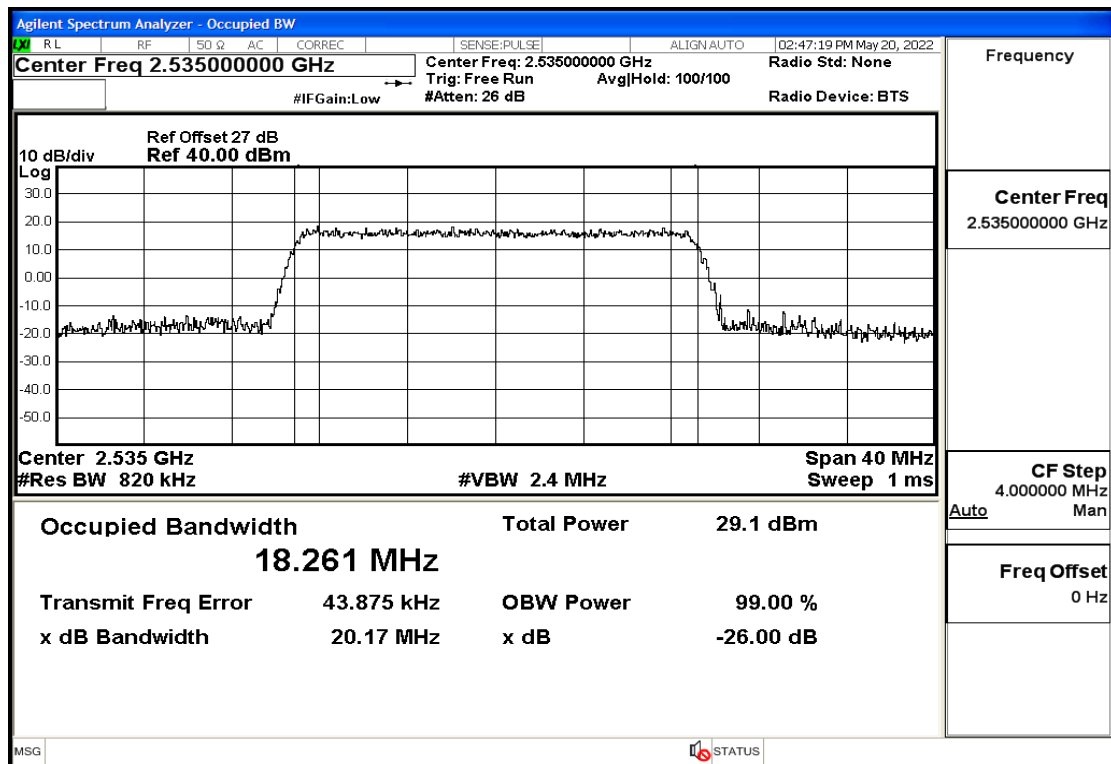
Band7-20-2510-QPSK-100#LOW@26dB and 99PCT Bandwidth



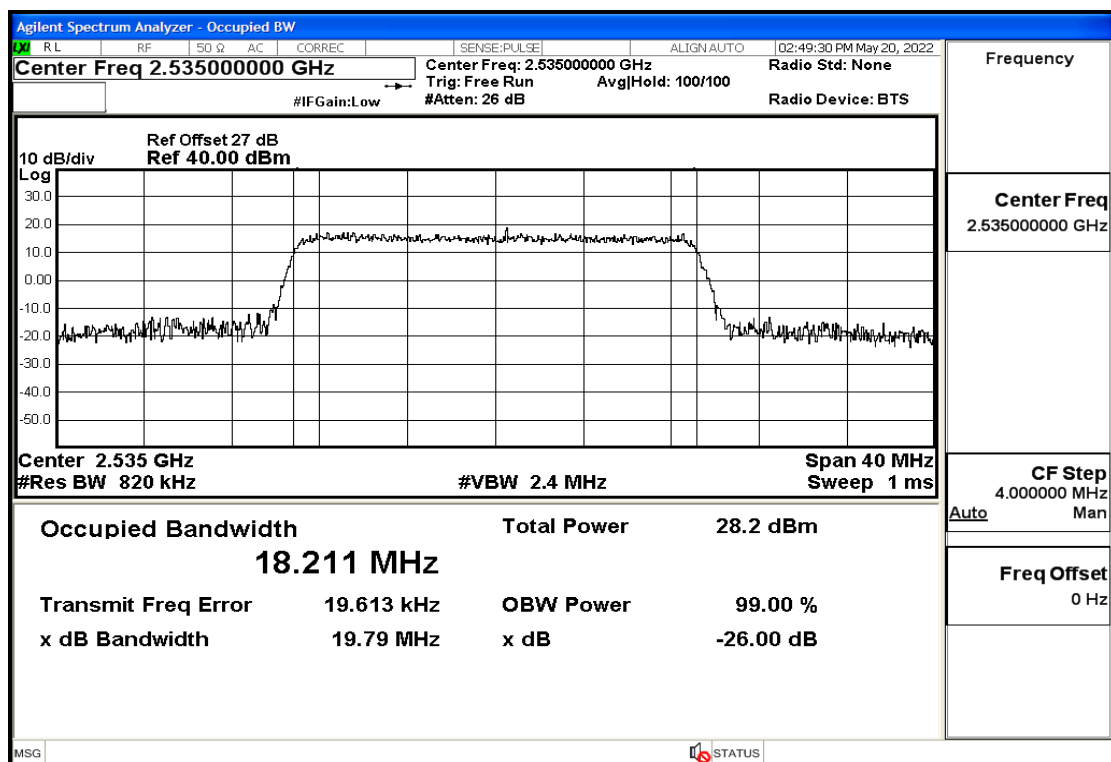
Band7-20-2510-16QAM-100#LOW@26dB and 99PCT Bandwidth



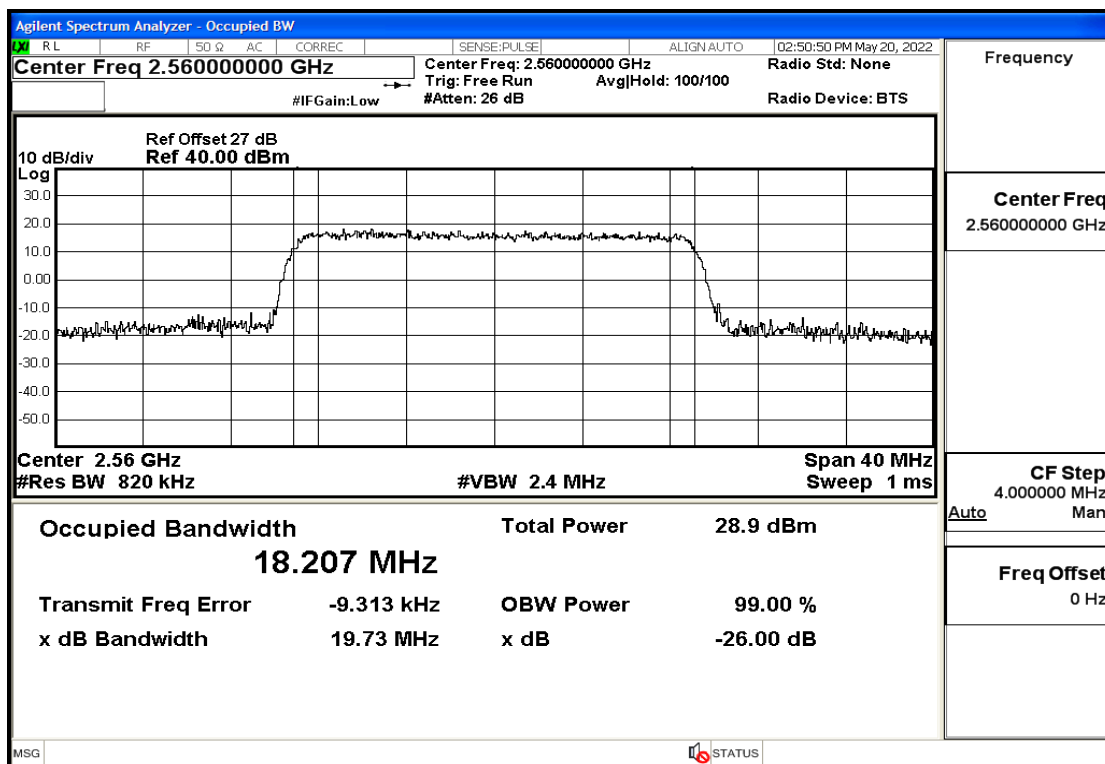
Band7-20-2535-QPSK-100#LOW@26dB and 99PCT Bandwidth



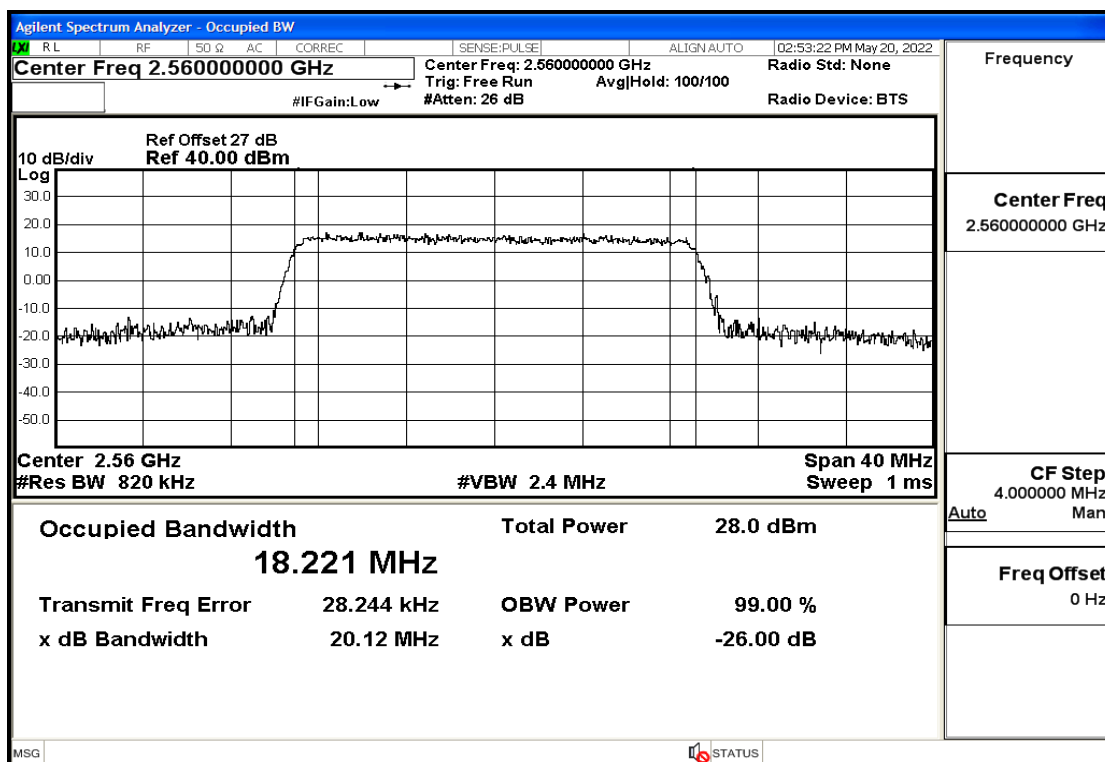
Band7-20-2535-16QAM-100#LOW@26dB and 99PCT Bandwidth



Band7-20-2560-QPSK-100#LOW@26dB and 99PCT Bandwidth



Band7-20-2560-16QAM-100#LOW@26dB and 99PCT Bandwidth



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0629	PASS
40	Normal Voltage	0.0329	
30	Normal Voltage	0.0185	
20(Ref.)	Normal Voltage	0.0270	
10	Normal Voltage	0.0627	
0	Normal Voltage	0.0179	
-10	Normal Voltage	0.0425	
-20	Normal Voltage	0.0340	
-30	Normal Voltage	0.0190	
20	Maximum Voltage	0.0163	
20	Normal Voltage	0.0265	
20	Battery End Point	0.0654	

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
Band7	5	2502.5	QPSK	25	LOW	20.78	26.65	5.87	13	0.23	21.01	33	Pass
Band7	5	2502.5	QPSK	12	LOW	20.86	25.94	5.08	13	0.23	21.09	33	Pass
Band7	5	2502.5	QPSK	12	MID	20.88	25.9	5.02	13	0.23	21.11	33	Pass
Band7	5	2502.5	QPSK	12	HIGH	20.83	26.01	5.18	13	0.23	21.06	33	Pass
Band7	5	2502.5	QPSK	1	LOW	21.79	25.47	3.68	13	0.23	22.02	33	Pass
Band7	5	2502.5	QPSK	1	MID	21.69	25.48	3.79	13	0.23	21.92	33	Pass
Band7	5	2502.5	QPSK	1	HIGH	21.6	25.55	3.95	13	0.23	21.83	33	Pass
Band7	5	2502.5	16QAM	25	LOW	19.8	26.26	6.46	13	0.23	20.03	33	Pass
Band7	5	2502.5	16QAM	12	LOW	19.78	25.85	6.07	13	0.23	20.01	33	Pass
Band7	5	2502.5	16QAM	12	MID	19.75	25.74	5.99	13	0.23	19.98	33	Pass
Band7	5	2502.5	16QAM	12	HIGH	19.75	25.91	6.16	13	0.23	19.98	33	Pass
Band7	5	2502.5	16QAM	1	LOW	20.7	25.02	4.32	13	0.23	20.93	33	Pass
Band7	5	2502.5	16QAM	1	MID	20.74	25.16	4.42	13	0.23	20.97	33	Pass
Band7	5	2502.5	16QAM	1	HIGH	20.67	25.22	4.55	13	0.23	20.9	33	Pass
Band7	5	2535	QPSK	25	LOW	20.76	26.72	5.96	13	0.23	20.99	33	Pass
Band7	5	2535	QPSK	12	LOW	20.7	25.88	5.18	13	0.23	20.93	33	Pass
Band7	5	2535	QPSK	12	MID	20.72	25.9	5.18	13	0.23	20.95	33	Pass
Band7	5	2535	QPSK	12	HIGH	20.69	25.95	5.26	13	0.23	20.92	33	Pass
Band7	5	2535	QPSK	1	LOW	21.75	25.03	3.28	13	0.23	21.98	33	Pass
Band7	5	2535	QPSK	1	MID	21.69	25.12	3.43	13	0.23	21.92	33	Pass
Band7	5	2535	QPSK	1	HIGH	21.67	25.16	3.49	13	0.23	21.9	33	Pass
Band7	5	2535	16QAM	25	LOW	19.71	26.38	6.67	13	0.23	19.94	33	Pass
Band7	5	2535	16QAM	12	LOW	19.98	25.77	5.79	13	0.23	20.21	33	Pass
Band7	5	2535	16QAM	12	MID	19.97	25.77	5.8	13	0.23	20.2	33	Pass
Band7	5	2535	16QAM	12	HIGH	19.95	25.82	5.87	13	0.23	20.18	33	Pass
Band7	5	2535	16QAM	1	LOW	21.16	25.23	4.07	13	0.23	21.39	33	Pass
Band7	5	2535	16QAM	1	MID	21.12	25.28	4.16	13	0.23	21.35	33	Pass
Band7	5	2535	16QAM	1	HIGH	21.09	25.34	4.25	13	0.23	21.32	33	Pass
Band7	5	2567.5	QPSK	25	LOW	20.43	26.11	5.68	13	0.23	20.66	33	Pass
Band7	5	2567.5	QPSK	12	LOW	20.64	25.57	4.93	13	0.23	20.87	33	Pass
Band7	5	2567.5	QPSK	12	MID	20.64	25.58	4.94	13	0.23	20.87	33	Pass
Band7	5	2567.5	QPSK	12	HIGH	20.63	25.57	4.94	13	0.23	20.86	33	Pass
Band7	5	2567.5	QPSK	1	LOW	21.61	24.91	3.3	13	0.23	21.84	33	Pass
Band7	5	2567.5	QPSK	1	MID	21.61	24.97	3.36	13	0.23	21.84	33	Pass
Band7	5	2567.5	QPSK	1	HIGH	21.49	25.01	3.52	13	0.23	21.72	33	Pass
Band7	5	2567.5	16QAM	25	LOW	19.75	26.4	6.65	13	0.23	19.98	33	Pass
Band7	5	2567.5	16QAM	12	LOW	19.52	25.26	5.74	13	0.23	19.75	33	Pass
Band7	5	2567.5	16QAM	12	MID	19.53	25.27	5.74	13	0.23	19.76	33	Pass
Band7	5	2567.5	16QAM	12	HIGH	19.51	25.36	5.85	13	0.23	19.74	33	Pass
Band7	5	2567.5	16QAM	1	LOW	20.54	24.78	4.24	13	0.23	20.77	33	Pass

Band7	5	2567.5	16QAM	1	MID	20.53	24.8	4.27	13	0.23	20.76	33	Pass
Band7	5	2567.5	16QAM	1	HIGH	20.44	24.85	4.41	13	0.23	20.67	33	Pass
Band7	10	2505	QPSK	50	LOW	20.75	26.37	5.62	13	0.23	20.98	33	Pass
Band7	10	2505	QPSK	25	LOW	20.84	26.07	5.23	13	0.23	21.07	33	Pass
Band7	10	2505	QPSK	25	MID	20.84	26.07	5.23	13	0.23	21.07	33	Pass
Band7	10	2505	QPSK	25	HIGH	20.87	26.3	5.43	13	0.23	21.1	33	Pass
Band7	10	2505	QPSK	1	LOW	21.85	25.22	3.37	13	0.23	22.08	33	Pass
Band7	10	2505	QPSK	1	MID	21.84	25.34	3.5	13	0.23	22.07	33	Pass
Band7	10	2505	QPSK	1	HIGH	21.74	25.44	3.7	13	0.23	21.97	33	Pass
Band7	10	2505	16QAM	50	LOW	19.88	26.79	6.91	13	0.23	20.11	33	Pass
Band7	10	2505	16QAM	25	LOW	19.82	25.82	6	13	0.23	20.05	33	Pass
Band7	10	2505	16QAM	25	MID	19.82	25.91	6.09	13	0.23	20.05	33	Pass
Band7	10	2505	16QAM	25	HIGH	19.86	26.03	6.17	13	0.23	20.09	33	Pass
Band7	10	2505	16QAM	1	LOW	21.26	25.29	4.03	13	0.23	21.49	33	Pass
Band7	10	2505	16QAM	1	MID	21.35	25.51	4.16	13	0.23	21.58	33	Pass
Band7	10	2505	16QAM	1	HIGH	21.32	25.62	4.3	13	0.23	21.55	33	Pass
Band7	10	2535	QPSK	50	LOW	20.78	26.46	5.68	13	0.23	21.01	33	Pass
Band7	10	2535	QPSK	25	LOW	20.68	25.83	5.15	13	0.23	20.91	33	Pass
Band7	10	2535	QPSK	25	MID	20.69	25.81	5.12	13	0.23	20.92	33	Pass
Band7	10	2535	QPSK	25	HIGH	20.67	25.88	5.21	13	0.23	20.9	33	Pass
Band7	10	2535	QPSK	1	LOW	21.8	25.03	3.23	13	0.23	22.03	33	Pass
Band7	10	2535	QPSK	1	MID	21.79	25.1	3.31	13	0.23	22.02	33	Pass
Band7	10	2535	QPSK	1	HIGH	21.72	25.24	3.52	13	0.23	21.95	33	Pass
Band7	10	2535	16QAM	50	LOW	19.73	26.07	6.34	13	0.23	19.96	33	Pass
Band7	10	2535	16QAM	25	LOW	19.87	25.86	5.99	13	0.23	20.1	33	Pass
Band7	10	2535	16QAM	25	MID	19.89	25.82	5.93	13	0.23	20.12	33	Pass
Band7	10	2535	16QAM	25	HIGH	19.87	26.02	6.15	13	0.23	20.1	33	Pass
Band7	10	2535	16QAM	1	LOW	20.99	25.01	4.02	13	0.23	21.22	33	Pass
Band7	10	2535	16QAM	1	MID	21.04	25.11	4.07	13	0.23	21.27	33	Pass
Band7	10	2535	16QAM	1	HIGH	20.97	25.21	4.24	13	0.23	21.2	33	Pass
Band7	10	2565	QPSK	50	LOW	20.5	26.06	5.56	13	0.23	20.73	33	Pass
Band7	10	2565	QPSK	25	LOW	20.69	25.76	5.07	13	0.23	20.92	33	Pass
Band7	10	2565	QPSK	25	MID	20.7	25.81	5.11	13	0.23	20.93	33	Pass
Band7	10	2565	QPSK	25	HIGH	20.61	25.7	5.09	13	0.23	20.84	33	Pass
Band7	10	2565	QPSK	1	LOW	21.7	24.83	3.13	13	0.23	21.93	33	Pass
Band7	10	2565	QPSK	1	MID	21.7	24.85	3.15	13	0.23	21.93	33	Pass
Band7	10	2565	QPSK	1	HIGH	21.59	24.95	3.36	13	0.23	21.82	33	Pass
Band7	10	2565	16QAM	50	LOW	19.67	26.29	6.62	13	0.23	19.9	33	Pass
Band7	10	2565	16QAM	25	LOW	19.64	25.46	5.82	13	0.23	19.87	33	Pass
Band7	10	2565	16QAM	25	MID	19.64	25.48	5.84	13	0.23	19.87	33	Pass
Band7	10	2565	16QAM	25	HIGH	19.6	25.42	5.82	13	0.23	19.83	33	Pass
Band7	10	2565	16QAM	1	LOW	20.82	24.72	3.9	13	0.23	21.05	33	Pass
Band7	10	2565	16QAM	1	MID	20.88	24.69	3.81	13	0.23	21.11	33	Pass
Band7	10	2565	16QAM	1	HIGH	20.7	24.72	4.02	13	0.23	20.93	33	Pass
Band7	15	2507.5	QPSK	75	LOW	20.84	26.94	6.1	13	0.23	21.07	33	Pass
Band7	15	2507.5	QPSK	38	LOW	20.93	27.07	6.14	13	0.23	21.16	33	Pass

Band7	15	2507.5	QPSK	38	MID	20.94	27.07	6.13	13	0.23	21.17	33	Pass
Band7	15	2507.5	QPSK	38	HIGH	20.94	27.09	6.15	13	0.23	21.17	33	Pass
Band7	15	2507.5	QPSK	1	LOW	21.84	25.25	3.41	13	0.23	22.07	33	Pass
Band7	15	2507.5	QPSK	1	MID	21.73	25.41	3.68	13	0.23	21.96	33	Pass
Band7	15	2507.5	QPSK	1	HIGH	21.76	25.35	3.59	13	0.23	21.99	33	Pass
Band7	15	2507.5	16QAM	75	LOW	19.86	26.7	6.84	13	0.23	20.09	33	Pass
Band7	15	2507.5	16QAM	38	LOW	19.83	26.46	6.63	13	0.23	20.06	33	Pass
Band7	15	2507.5	16QAM	38	MID	19.81	26.59	6.78	13	0.23	20.04	33	Pass
Band7	15	2507.5	16QAM	38	HIGH	19.82	26.67	6.85	13	0.23	20.05	33	Pass
Band7	15	2507.5	16QAM	1	LOW	21.24	25.32	4.08	13	0.23	21.47	33	Pass
Band7	15	2507.5	16QAM	1	MID	21.35	25.61	4.26	13	0.23	21.58	33	Pass
Band7	15	2507.5	16QAM	1	HIGH	21.26	25.49	4.23	13	0.23	21.49	33	Pass
Band7	15	2535	QPSK	75	LOW	20.89	26.89	6	13	0.23	21.12	33	Pass
Band7	15	2535	QPSK	38	LOW	20.86	26.67	5.81	13	0.23	21.09	33	Pass
Band7	15	2535	QPSK	38	MID	20.86	26.78	5.92	13	0.23	21.09	33	Pass
Band7	15	2535	QPSK	38	HIGH	20.86	26.82	5.96	13	0.23	21.09	33	Pass
Band7	15	2535	QPSK	1	LOW	21.89	25.02	3.13	13	0.23	22.12	33	Pass
Band7	15	2535	QPSK	1	MID	21.79	25.14	3.35	13	0.23	22.02	33	Pass
Band7	15	2535	QPSK	1	HIGH	21.79	25.29	3.5	13	0.23	22.02	33	Pass
Band7	15	2535	16QAM	75	LOW	19.78	26.47	6.69	13	0.23	20.01	33	Pass
Band7	15	2535	16QAM	38	LOW	19.93	26.63	6.7	13	0.23	20.16	33	Pass
Band7	15	2535	16QAM	38	MID	19.93	26.56	6.63	13	0.23	20.16	33	Pass
Band7	15	2535	16QAM	38	HIGH	19.93	26.7	6.77	13	0.23	20.16	33	Pass
Band7	15	2535	16QAM	1	LOW	21.02	25.01	3.99	13	0.23	21.25	33	Pass
Band7	15	2535	16QAM	1	MID	21.02	25.13	4.11	13	0.23	21.25	33	Pass
Band7	15	2535	16QAM	1	HIGH	20.97	25.26	4.29	13	0.23	21.2	33	Pass
Band7	15	2562.5	QPSK	75	LOW	20.69	26.53	5.84	13	0.23	20.92	33	Pass
Band7	15	2562.5	QPSK	38	LOW	20.78	26.61	5.83	13	0.23	21.01	33	Pass
Band7	15	2562.5	QPSK	38	MID	20.81	26.62	5.81	13	0.23	21.04	33	Pass
Band7	15	2562.5	QPSK	38	HIGH	20.8	26.63	5.83	13	0.23	21.03	33	Pass
Band7	15	2562.5	QPSK	1	LOW	21.7	25.05	3.35	13	0.23	21.93	33	Pass
Band7	15	2562.5	QPSK	1	MID	21.7	24.85	3.15	13	0.23	21.93	33	Pass
Band7	15	2562.5	QPSK	1	HIGH	21.66	24.93	3.27	13	0.23	21.89	33	Pass
Band7	15	2562.5	16QAM	75	LOW	19.73	26.22	6.49	13	0.23	19.96	33	Pass
Band7	15	2562.5	16QAM	38	LOW	19.66	26.2	6.54	13	0.23	19.89	33	Pass
Band7	15	2562.5	16QAM	38	MID	19.68	26.23	6.55	13	0.23	19.91	33	Pass
Band7	15	2562.5	16QAM	38	HIGH	19.67	26.22	6.55	13	0.23	19.9	33	Pass
Band7	15	2562.5	16QAM	1	LOW	21.19	24.98	3.79	13	0.23	21.42	33	Pass
Band7	15	2562.5	16QAM	1	MID	21.08	24.79	3.71	13	0.23	21.31	33	Pass
Band7	15	2562.5	16QAM	1	HIGH	21.01	24.79	3.78	13	0.23	21.24	33	Pass
Band7	20	2510	QPSK	100	LOW	20.73	26.55	5.82	13	0.23	20.96	33	Pass
Band7	20	2510	QPSK	50	LOW	20.83	26.2	5.37	13	0.23	21.06	33	Pass
Band7	20	2510	QPSK	50	MID	20.83	26.2	5.37	13	0.23	21.06	33	Pass
Band7	20	2510	QPSK	50	HIGH	20.8	26.19	5.39	13	0.23	21.03	33	Pass
Band7	20	2510	QPSK	1	LOW	21.91	25.27	3.36	13	0.23	22.14	33	Pass
Band7	20	2510	QPSK	1	MID	21.84	25.49	3.65	13	0.23	22.07	33	Pass

Band7	20	2510	QPSK	1	HIGH	21.86	25.25	3.39	13	0.23	22.09	33	Pass
Band7	20	2510	16QAM	100	LOW	19.84	26.97	7.13	13	0.23	20.07	33	Pass
Band7	20	2510	16QAM	50	LOW	19.78	26.21	6.43	13	0.23	20.01	33	Pass
Band7	20	2510	16QAM	50	MID	19.79	26.18	6.39	13	0.23	20.02	33	Pass
Band7	20	2510	16QAM	50	HIGH	19.78	26.15	6.37	13	0.23	20.01	33	Pass
Band7	20	2510	16QAM	1	LOW	21.03	25.15	4.12	13	0.23	21.26	33	Pass
Band7	20	2510	16QAM	1	MID	21.16	25.43	4.27	13	0.23	21.39	33	Pass
Band7	20	2510	16QAM	1	HIGH	21.08	25.24	4.16	13	0.23	21.31	33	Pass
Band7	20	2535	QPSK	100	LOW	20.89	26.72	5.83	13	0.23	21.12	33	Pass
Band7	20	2535	QPSK	50	LOW	20.75	25.79	5.04	13	0.23	20.98	33	Pass
Band7	20	2535	QPSK	50	MID	20.73	25.89	5.16	13	0.23	20.96	33	Pass
Band7	20	2535	QPSK	50	HIGH	20.72	26.08	5.36	13	0.23	20.95	33	Pass
Band7	20	2535	QPSK	1	LOW	21.96	25.07	3.11	13	0.23	22.19	33	Pass
Band7	20	2535	QPSK	1	MID	21.87	25.14	3.27	13	0.23	22.1	33	Pass
Band7	20	2535	QPSK	1	HIGH	21.86	25.31	3.45	13	0.23	22.09	33	Pass
Band7	20	2535	16QAM	100	LOW	19.74	26.47	6.73	13	0.23	19.97	33	Pass
Band7	20	2535	16QAM	50	LOW	19.93	25.99	6.06	13	0.23	20.16	33	Pass
Band7	20	2535	16QAM	50	MID	19.92	25.96	6.04	13	0.23	20.15	33	Pass
Band7	20	2535	16QAM	50	HIGH	19.92	26.21	6.29	13	0.23	20.15	33	Pass
Band7	20	2535	16QAM	1	LOW	21.13	25.22	4.09	13	0.23	21.36	33	Pass
Band7	20	2535	16QAM	1	MID	21.16	25.43	4.27	13	0.23	21.39	33	Pass
Band7	20	2535	16QAM	1	HIGH	21.06	25.64	4.58	13	0.23	21.29	33	Pass
Band7	20	2560	QPSK	100	LOW	20.65	26.32	5.67	13	0.23	20.88	33	Pass
Band7	20	2560	QPSK	50	LOW	20.71	25.81	5.1	13	0.23	20.94	33	Pass
Band7	20	2560	QPSK	50	MID	20.71	25.82	5.11	13	0.23	20.94	33	Pass
Band7	20	2560	QPSK	50	HIGH	20.65	25.63	4.98	13	0.23	20.88	33	Pass
Band7	20	2560	QPSK	1	LOW	21.69	25.27	3.58	13	0.23	21.92	33	Pass
Band7	20	2560	QPSK	1	MID	21.66	24.82	3.16	13	0.23	21.89	33	Pass
Band7	20	2560	QPSK	1	HIGH	21.65	24.94	3.29	13	0.23	21.88	33	Pass
Band7	20	2560	16QAM	100	LOW	19.72	26.32	6.6	13	0.23	19.95	33	Pass
Band7	20	2560	16QAM	50	LOW	19.74	25.77	6.03	13	0.23	19.97	33	Pass
Band7	20	2560	16QAM	50	MID	19.71	25.77	6.06	13	0.23	19.94	33	Pass
Band7	20	2560	16QAM	50	HIGH	19.61	25.46	5.85	13	0.23	19.84	33	Pass
Band7	20	2560	16QAM	1	LOW	21.22	25.29	4.07	13	0.23	21.45	33	Pass
Band7	20	2560	16QAM	1	MID	21.13	24.8	3.67	13	0.23	21.36	33	Pass
Band7	20	2560	16QAM	1	HIGH	20.99	24.86	3.87	13	0.23	21.22	33	Pass