

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.32	23.73	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.46	23.87	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.49	23.9	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.57	22.98	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.74	24.15	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.78	24.19	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.86	24.27	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.79	23.2	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.17	23.58	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.19	23.6	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.09	23.5	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.23	22.64	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.67	23.08	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.77	23.18	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.82	23.23	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.64	22.05	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.04	23.45	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.11	23.52	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.02	23.43	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.95	22.36	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.56	22.97	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.39	22.8	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.44	22.85	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.27	21.68	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.74	22.15	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.8	22.21	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	21.78	22.19	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	20.55	20.96	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	21.94	22.35	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	22.09	22.5	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.04	22.45	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.79	21.2	38.45	PASS

Band5	1.4MHz	64QAM	20643	1RB#0	21.42	21.83	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.35	21.76	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.04	21.45	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.17	20.58	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.42	23.83	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.67	24.08	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.61	24.02	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.61	23.02	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.79	24.2	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.91	24.32	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.82	24.23	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.86	23.27	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.25	23.66	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.29	23.7	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.11	23.52	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.41	22.82	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.68	23.09	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	23	23.41	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.02	23.43	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.72	22.13	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.09	23.5	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.16	23.57	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.18	23.59	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.86	22.27	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.62	23.03	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.66	23.07	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.43	22.84	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.27	21.68	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.83	22.24	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	22.01	22.42	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.9	22.31	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.64	21.05	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	22.15	22.56	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	22.16	22.57	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	22.01	22.42	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.9	21.31	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.53	21.94	38.45	PASS

Band5	3MHz	64QAM	20635	1RB#8	21.58	21.99	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.44	21.85	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.21	20.62	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.4	23.81	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.7	24.11	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.71	24.12	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.68	23.09	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.79	24.2	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.91	24.32	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.79	24.2	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.92	23.33	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.42	23.83	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.36	23.77	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.13	23.54	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.38	22.79	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.7	23.11	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.84	23.25	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.95	23.36	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.77	22.18	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.12	23.53	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.29	23.7	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.99	23.4	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.93	22.34	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.69	23.1	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.65	23.06	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.39	22.8	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.45	21.86	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.78	22.19	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.86	22.27	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.87	22.28	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.76	21.17	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	22.04	22.45	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	22.2	22.61	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.97	22.38	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.93	21.34	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.75	22.16	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.47	21.88	38.45	PASS

Band5	5MHz	64QAM	20625	1RB#24	21.42	21.83	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.46	20.87	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.5	23.91	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.72	24.13	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.95	24.36	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.78	23.19	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.85	24.26	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.74	24.15	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.62	24.03	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.85	23.26	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.85	24.26	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.44	23.85	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.09	23.5	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.55	22.96	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.73	23.14	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.17	23.58	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.39	23.8	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.77	22.18	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.23	23.64	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.03	23.44	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.93	23.34	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.72	22.13	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.96	23.37	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.92	23.33	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.41	22.82	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.5	21.91	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.87	22.28	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.9	22.31	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	22.13	22.54	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.83	21.24	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.99	22.4	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.93	22.34	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.94	22.35	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.65	21.06	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	21.92	22.33	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.66	22.07	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.35	21.76	38.45	PASS

Band5	10MHz	64QAM	20600	50RB#0	20.51	20.92	38.45	PASS
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Test on the worst case:

1.1.1 B5_1.4MHz_ERP

Band: 5 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	22.48	2.56	22.89	<=38.45	Pass
			2	22.61	2.56	23.02	<=38.45	Pass
			5	22.56	2.56	22.97	<=38.45	Pass
		3	0	22.57	2.56	22.98	<=38.45	Pass
			2	22.65	2.56	23.06	<=38.45	Pass
			3	22.59	2.56	23.00	<=38.45	Pass
		6	0	21.60	2.56	22.01	<=38.45	Pass
	836.5	1	0	22.61	2.56	23.02	<=38.45	Pass
			2	22.73	2.56	23.14	<=38.45	Pass
			5	22.62	2.56	23.03	<=38.45	Pass
		3	0	22.51	2.56	22.92	<=38.45	Pass
			2	22.65	2.56	23.06	<=38.45	Pass
			3	22.58	2.56	22.99	<=38.45	Pass
		6	0	21.68	2.56	22.09	<=38.45	Pass
	848.3	1	0	22.63	2.56	23.04	<=38.45	Pass
			2	22.67	2.56	23.08	<=38.45	Pass
			5	22.57	2.56	22.98	<=38.45	Pass
		3	0	22.64	2.56	23.05	<=38.45	Pass
			2	22.70	2.56	23.11	<=38.45	Pass
			3	22.64	2.56	23.05	<=38.45	Pass
		6	0	21.68	2.56	22.09	<=38.45	Pass
16QAM	824.7	1	0	21.73	2.56	22.14	<=38.45	Pass
			2	21.90	2.56	22.31	<=38.45	Pass
			5	21.82	2.56	22.23	<=38.45	Pass
		3	0	21.67	2.56	22.08	<=38.45	Pass
			2	21.69	2.56	22.10	<=38.45	Pass
			3	21.66	2.56	22.07	<=38.45	Pass
		6	0	20.67	2.56	21.08	<=38.45	Pass
	836.5	1	0	21.68	2.56	22.09	<=38.45	Pass
			2	21.80	2.56	22.21	<=38.45	Pass
			5	21.78	2.56	22.19	<=38.45	Pass
		3	0	21.74	2.56	22.15	<=38.45	Pass
			2	21.81	2.56	22.22	<=38.45	Pass
			3	21.81	2.56	22.22	<=38.45	Pass
		6	0	20.60	2.56	21.01	<=38.45	Pass

	848.3	1	0	21.72	2.56	22.13	<=38.45	Pass		
			2	21.73	2.56	22.14	<=38.45	Pass		
			5	21.70	2.56	22.11	<=38.45	Pass		
		3	0	21.86	2.56	22.27	<=38.45	Pass		
			2	21.95	2.56	22.36	<=38.45	Pass		
			3	21.91	2.56	22.32	<=38.45	Pass		
		6	0	20.72	2.56	21.13	<=38.45	Pass		
		64QAM	824.7	1	0	20.66	2.56	21.07	<=38.45	Pass
					2	20.85	2.56	21.26	<=38.45	Pass
5	20.73				2.56	21.14	<=38.45	Pass		
3	0			20.91	2.56	21.32	<=38.45	Pass		
	2			20.94	2.56	21.35	<=38.45	Pass		
	3			20.88	2.56	21.29	<=38.45	Pass		
6	0			19.87	2.56	20.28	<=38.45	Pass		
836.5	1			0	20.53	2.56	20.94	<=38.45	Pass	
				2	20.65	2.56	21.06	<=38.45	Pass	
			5	20.62	2.56	21.03	<=38.45	Pass		
	3		0	20.64	2.56	21.05	<=38.45	Pass		
			2	20.78	2.56	21.19	<=38.45	Pass		
			3	20.70	2.56	21.11	<=38.45	Pass		
	6		0	19.73	2.56	20.14	<=38.45	Pass		
	848.3		1	0	21.10	2.56	21.51	<=38.45	Pass	
				2	21.15	2.56	21.56	<=38.45	Pass	
5				21.03	2.56	21.44	<=38.45	Pass		
3			0	20.94	2.56	21.35	<=38.45	Pass		
			2	20.99	2.56	21.40	<=38.45	Pass		
			3	20.95	2.56	21.36	<=38.45	Pass		
6			0	19.75	2.56	20.16	<=38.45	Pass		
Note1: ERP=Conducted Power+Antenna Gain-2.15										

1.1.2 B5_3MHz_ERP

Band: 5 / Bandwidth: 3MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	22.61	2.56	23.02	<=38.45	Pass
			7	22.63	2.56	23.04	<=38.45	Pass
			14	22.61	2.56	23.02	<=38.45	Pass
		8	0	21.66	2.56	22.07	<=38.45	Pass
			4	21.78	2.56	22.19	<=38.45	Pass
			7	21.69	2.56	22.10	<=38.45	Pass
		15	0	21.73	2.56	22.14	<=38.45	Pass

	836.5	1	0	22.62	2.56	23.03	<=38.45	Pass
			7	22.66	2.56	23.07	<=38.45	Pass
			14	22.67	2.56	23.08	<=38.45	Pass
		8	0	21.71	2.56	22.12	<=38.45	Pass
			4	21.82	2.56	22.23	<=38.45	Pass
			7	21.77	2.56	22.18	<=38.45	Pass
		15	0	21.71	2.56	22.12	<=38.45	Pass
	847.5	1	0	22.68	2.56	23.09	<=38.45	Pass
			7	22.75	2.56	23.16	<=38.45	Pass
			14	22.71	2.56	23.12	<=38.45	Pass
		8	0	21.73	2.56	22.14	<=38.45	Pass
			4	21.78	2.56	22.19	<=38.45	Pass
			7	21.77	2.56	22.18	<=38.45	Pass
		15	0	21.73	2.56	22.14	<=38.45	Pass
16QAM	825.5	1	0	22.24	2.56	22.65	<=38.45	Pass
			7	22.29	2.56	22.70	<=38.45	Pass
			14	22.28	2.56	22.69	<=38.45	Pass
		8	0	20.87	2.56	21.28	<=38.45	Pass
			4	20.97	2.56	21.38	<=38.45	Pass
			7	20.92	2.56	21.33	<=38.45	Pass
		15	0	20.82	2.56	21.23	<=38.45	Pass
	836.5	1	0	21.86	2.56	22.27	<=38.45	Pass
			7	21.94	2.56	22.35	<=38.45	Pass
			14	21.92	2.56	22.33	<=38.45	Pass
		8	0	20.69	2.56	21.10	<=38.45	Pass
			4	20.82	2.56	21.23	<=38.45	Pass
			7	20.81	2.56	21.22	<=38.45	Pass
		15	0	20.70	2.56	21.11	<=38.45	Pass
	847.5	1	0	21.76	2.56	22.17	<=38.45	Pass
			7	21.75	2.56	22.16	<=38.45	Pass
			14	21.75	2.56	22.16	<=38.45	Pass
		8	0	20.79	2.56	21.20	<=38.45	Pass
			4	20.91	2.56	21.32	<=38.45	Pass
			7	20.83	2.56	21.24	<=38.45	Pass
		15	0	20.77	2.56	21.18	<=38.45	Pass
64QAM	825.5	1	0	20.93	2.56	21.34	<=38.45	Pass
			7	21.01	2.56	21.42	<=38.45	Pass
			14	21.03	2.56	21.44	<=38.45	Pass
		8	0	19.80	2.56	20.21	<=38.45	Pass
			4	19.94	2.56	20.35	<=38.45	Pass
			7	19.94	2.56	20.35	<=38.45	Pass
		15	0	19.80	2.56	20.21	<=38.45	Pass
	836.5	1	0	20.78	2.56	21.19	<=38.45	Pass

			7	20.85	2.56	21.26	<=38.45	Pass
			14	20.85	2.56	21.26	<=38.45	Pass
		8	0	19.64	2.56	20.05	<=38.45	Pass
			4	19.73	2.56	20.14	<=38.45	Pass
			7	19.73	2.56	20.14	<=38.45	Pass
		15	0	19.88	2.56	20.29	<=38.45	Pass
	847.5	1	0	20.62	2.56	21.03	<=38.45	Pass
			7	20.61	2.56	21.02	<=38.45	Pass
			14	20.64	2.56	21.05	<=38.45	Pass
		8	0	19.76	2.56	20.17	<=38.45	Pass
			4	19.89	2.56	20.30	<=38.45	Pass
			7	19.81	2.56	20.22	<=38.45	Pass
		15	0	19.75	2.56	20.16	<=38.45	Pass
	Note1: ERP=Conducted Power+Antenna Gain-2.15							

1.1.3 B5_5MHz_ERP

Band: 5 / Bandwidth: 5MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	22.58	2.56	22.99	<=38.45	Pass
			13	22.72	2.56	23.13	<=38.45	Pass
			24	22.61	2.56	23.02	<=38.45	Pass
		12	0	21.65	2.56	22.06	<=38.45	Pass
			6	21.75	2.56	22.16	<=38.45	Pass
			13	21.73	2.56	22.14	<=38.45	Pass
		25	0	21.70	2.56	22.11	<=38.45	Pass
	836.5	1	0	22.61	2.56	23.02	<=38.45	Pass
			13	22.78	2.56	23.19	<=38.45	Pass
			24	22.66	2.56	23.07	<=38.45	Pass
		12	0	21.70	2.56	22.11	<=38.45	Pass
			6	21.75	2.56	22.16	<=38.45	Pass
			13	21.74	2.56	22.15	<=38.45	Pass
		25	0	21.71	2.56	22.12	<=38.45	Pass
	846.5	1	0	22.62	2.56	23.03	<=38.45	Pass
			13	22.77	2.56	23.18	<=38.45	Pass
			24	22.69	2.56	23.10	<=38.45	Pass
		12	0	21.71	2.56	22.12	<=38.45	Pass
			6	21.77	2.56	22.18	<=38.45	Pass
			13	21.78	2.56	22.19	<=38.45	Pass
		25	0	21.80	2.56	22.21	<=38.45	Pass
16QAM	826.5	1	0	21.55	2.56	21.96	<=38.45	Pass

			13	21.72	2.56	22.13	<=38.45	Pass	
			24	21.61	2.56	22.02	<=38.45	Pass	
			12	0	20.70	2.56	21.11	<=38.45	Pass
				6	20.81	2.56	21.22	<=38.45	Pass
				13	20.74	2.56	21.15	<=38.45	Pass
			25	0	20.73	2.56	21.14	<=38.45	Pass
		836.5	1	0	21.90	2.56	22.31	<=38.45	Pass
				13	22.08	2.56	22.49	<=38.45	Pass
				24	21.97	2.56	22.38	<=38.45	Pass
			12	0	20.77	2.56	21.18	<=38.45	Pass
				6	20.81	2.56	21.22	<=38.45	Pass
				13	20.79	2.56	21.20	<=38.45	Pass
	25		0	20.73	2.56	21.14	<=38.45	Pass	
	846.5		1	0	21.80	2.56	22.21	<=38.45	Pass
				13	21.98	2.56	22.39	<=38.45	Pass
		24		21.88	2.56	22.29	<=38.45	Pass	
		12	0	20.74	2.56	21.15	<=38.45	Pass	
			6	20.74	2.56	21.15	<=38.45	Pass	
			13	20.78	2.56	21.19	<=38.45	Pass	
		25	0	20.75	2.56	21.16	<=38.45	Pass	

64QAM	826.5	1	0	20.62	2.56	21.03	<=38.45	Pass	
			13	20.82	2.56	21.23	<=38.45	Pass	
			24	20.75	2.56	21.16	<=38.45	Pass	
			12	0	19.65	2.56	20.06	<=38.45	Pass
				6	19.73	2.56	20.14	<=38.45	Pass
				13	19.69	2.56	20.10	<=38.45	Pass
		25	0	19.76	2.56	20.17	<=38.45	Pass	
		836.5	1	0	20.82	2.56	21.23	<=38.45	Pass
				13	21.00	2.56	21.41	<=38.45	Pass
				24	20.90	2.56	21.31	<=38.45	Pass
			12	0	19.72	2.56	20.13	<=38.45	Pass
				6	19.78	2.56	20.19	<=38.45	Pass
	13			19.81	2.56	20.22	<=38.45	Pass	
	25		0	19.77	2.56	20.18	<=38.45	Pass	
	846.5		1	0	20.80	2.56	21.21	<=38.45	Pass
				13	21.05	2.56	21.46	<=38.45	Pass
		24		20.91	2.56	21.32	<=38.45	Pass	
		12	0	19.85	2.56	20.26	<=38.45	Pass	
			6	19.91	2.56	20.32	<=38.45	Pass	
			13	19.93	2.56	20.34	<=38.45	Pass	
		25	0	19.78	2.56	20.19	<=38.45	Pass	

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	22.61	2.56	23.02	<=38.45	Pass
			25	22.64	2.56	23.05	<=38.45	Pass
			49	22.68	2.56	23.09	<=38.45	Pass
		25	0	21.66	2.56	22.07	<=38.45	Pass
			13	21.72	2.56	22.13	<=38.45	Pass
			25	21.68	2.56	22.09	<=38.45	Pass
		50	0	21.70	2.56	22.11	<=38.45	Pass
	836.5	1	0	22.62	2.56	23.03	<=38.45	Pass
			25	22.69	2.56	23.10	<=38.45	Pass
			49	22.64	2.56	23.05	<=38.45	Pass
		25	0	21.73	2.56	22.14	<=38.45	Pass
			13	21.72	2.56	22.13	<=38.45	Pass
			25	21.75	2.56	22.16	<=38.45	Pass
		50	0	21.61	2.56	22.02	<=38.45	Pass
	844	1	0	22.73	2.56	23.14	<=38.45	Pass
			25	22.71	2.56	23.12	<=38.45	Pass
			49	22.68	2.56	23.09	<=38.45	Pass
		25	0	21.72	2.56	22.13	<=38.45	Pass
			13	21.69	2.56	22.10	<=38.45	Pass
			25	21.71	2.56	22.12	<=38.45	Pass
		50	0	21.64	2.56	22.05	<=38.45	Pass
16QAM	829	1	0	22.22	2.56	22.63	<=38.45	Pass
			25	22.18	2.56	22.59	<=38.45	Pass
			49	22.24	2.56	22.65	<=38.45	Pass
		25	0	20.74	2.56	21.15	<=38.45	Pass
			13	20.80	2.56	21.21	<=38.45	Pass
			25	20.74	2.56	21.15	<=38.45	Pass
		50	0	20.69	2.56	21.10	<=38.45	Pass
	836.5	1	0	21.98	2.56	22.39	<=38.45	Pass
			25	21.93	2.56	22.34	<=38.45	Pass
			49	21.89	2.56	22.30	<=38.45	Pass
		25	0	20.73	2.56	21.14	<=38.45	Pass
			13	20.73	2.56	21.14	<=38.45	Pass
			25	20.78	2.56	21.19	<=38.45	Pass
		50	0	20.66	2.56	21.07	<=38.45	Pass
	844	1	0	21.72	2.56	22.13	<=38.45	Pass
			25	21.71	2.56	22.12	<=38.45	Pass
			49	21.76	2.56	22.17	<=38.45	Pass

		25	0	20.80	2.56	21.21	<=38.45	Pass
			13	20.80	2.56	21.21	<=38.45	Pass
			25	20.81	2.56	21.22	<=38.45	Pass
		50	0	20.70	2.56	21.11	<=38.45	Pass
64QAM	829	1	0	20.85	2.56	21.26	<=38.45	Pass
			25	21.01	2.56	21.42	<=38.45	Pass
			49	21.04	2.56	21.45	<=38.45	Pass
		25	0	19.74	2.56	20.15	<=38.45	Pass
			13	19.78	2.56	20.19	<=38.45	Pass
			25	19.74	2.56	20.15	<=38.45	Pass
		50	0	19.67	2.56	20.08	<=38.45	Pass
	836.5	1	0	20.77	2.56	21.18	<=38.45	Pass
			25	20.82	2.56	21.23	<=38.45	Pass
			49	20.81	2.56	21.22	<=38.45	Pass
		25	0	19.84	2.56	20.25	<=38.45	Pass
			13	19.86	2.56	20.27	<=38.45	Pass
			25	19.85	2.56	20.26	<=38.45	Pass
		50	0	19.68	2.56	20.09	<=38.45	Pass
	844	1	0	20.59	2.56	21.00	<=38.45	Pass
			25	20.57	2.56	20.98	<=38.45	Pass
			49	20.57	2.56	20.98	<=38.45	Pass
		25	0	19.84	2.56	20.25	<=38.45	Pass
			13	19.80	2.56	20.21	<=38.45	Pass
			25	19.89	2.56	20.30	<=38.45	Pass
		50	0	19.67	2.56	20.08	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.34	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.32	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.18	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.08	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.08	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.08	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.58	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.54	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.42	13	PASS

Test Graphs

Band5-10MHz-QPSK-20450-50RB#0



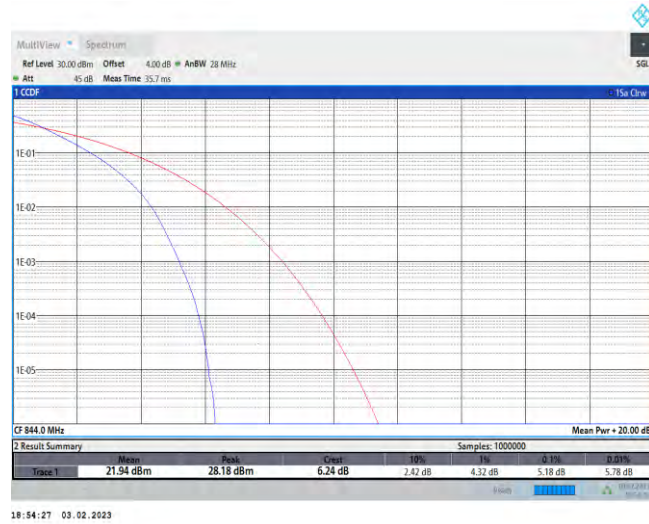
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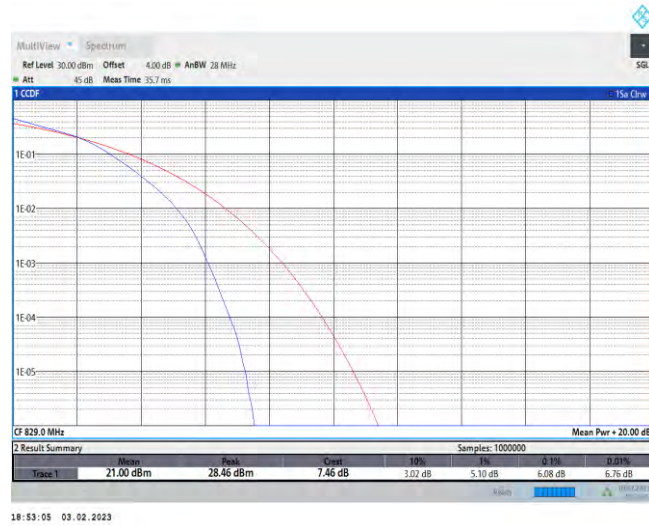


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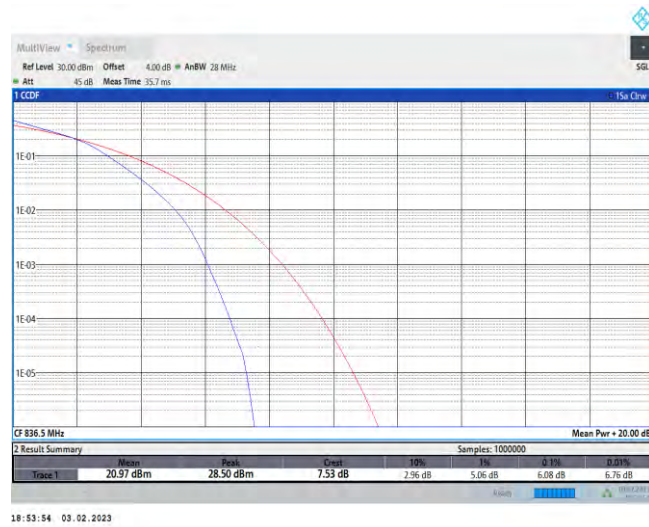
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Band5-10MHz-16QAM-20450-50RB#0



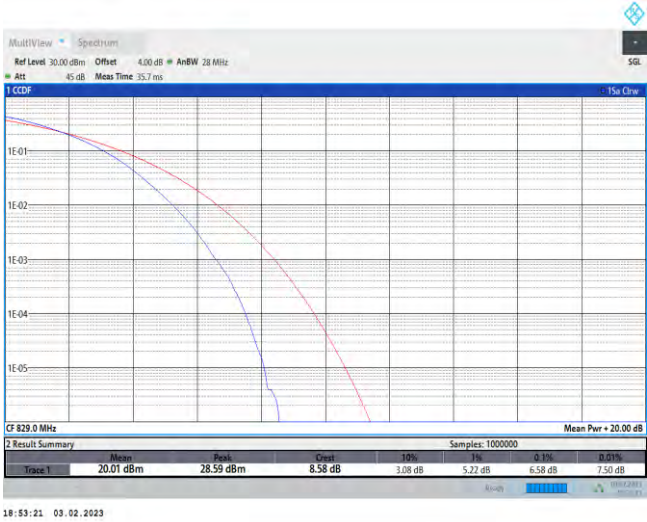
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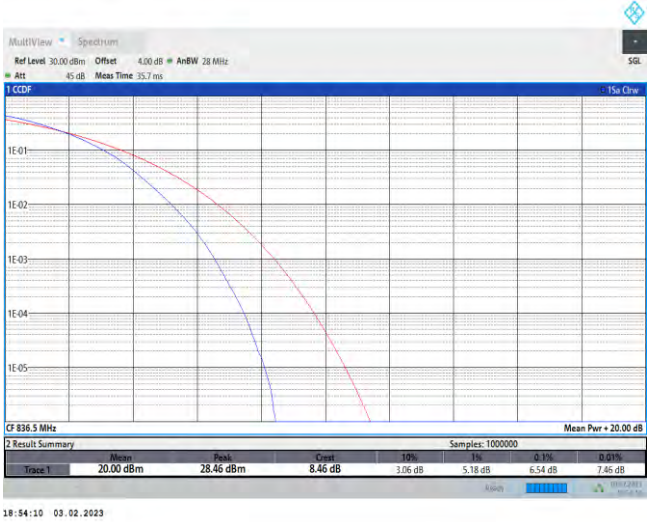
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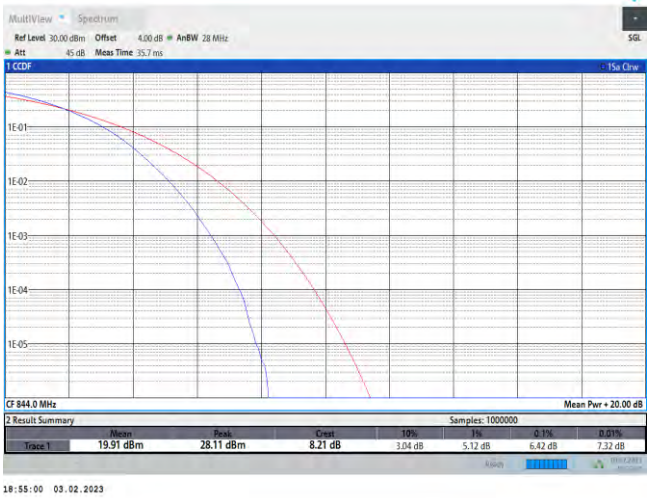
Band5-10MHz-64QAM-20450-50RB#0



Band5-10MHz-64QAM-20525-50RB#0



Band5-10MHz-64QAM-20600-50RB#0



26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.084	1.23	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.084	1.23	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.084	1.23	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.091	1.24	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.092	1.25	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.092	1.24	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.09	1.24	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.09	1.24	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.09	1.24	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.694	2.98	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.696	2.95	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.691	2.98	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.688	2.98	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.688	2.98	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.688	2.99	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.688	2.97	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.686	2.96	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.688	2.96	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.475	4.85	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.468	4.88	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.467	4.88	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.468	4.89	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.468	4.89	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.459	4.90	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.479	4.90	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.473	4.90	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.467	4.88	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.928	9.62	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.922	9.66	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.898	9.64	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.905	9.62	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.907	9.60	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.887	9.62	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.916	9.64	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.926	9.60	PASS

Band5	10MHz	64QAM	20600	50RB#0	8.91	9.56	PASS
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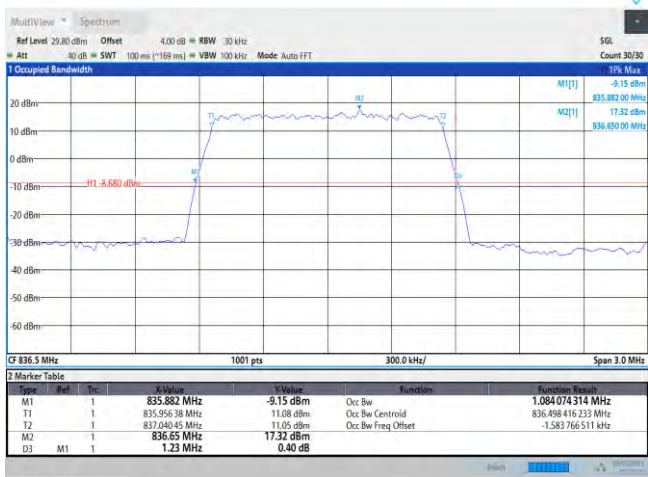
Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0



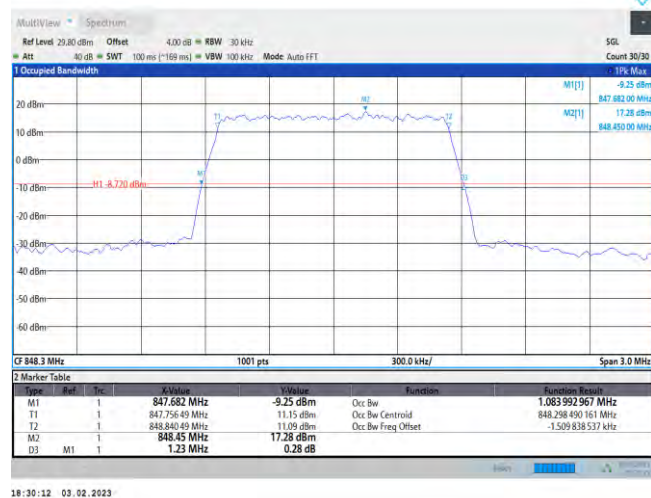
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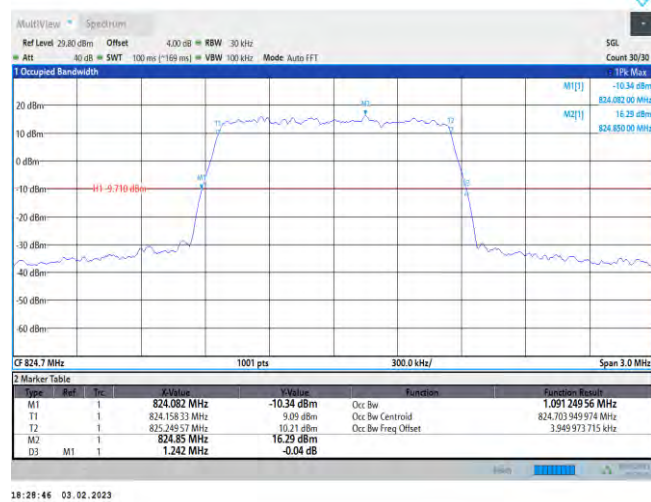


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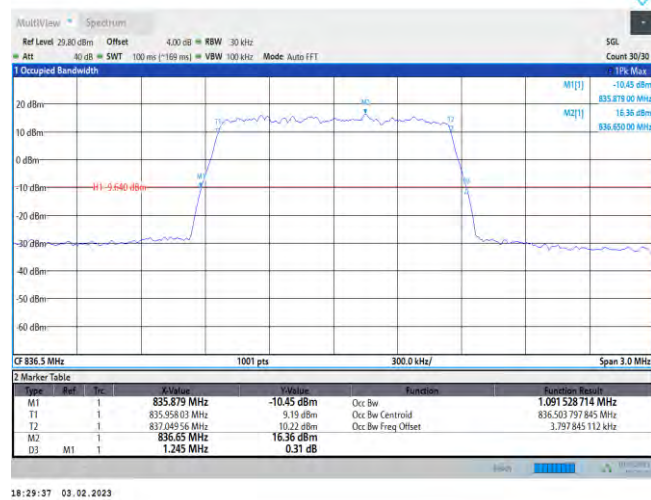
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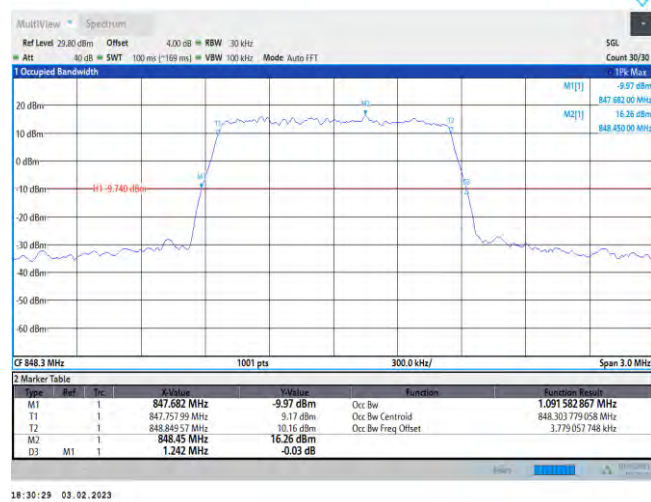
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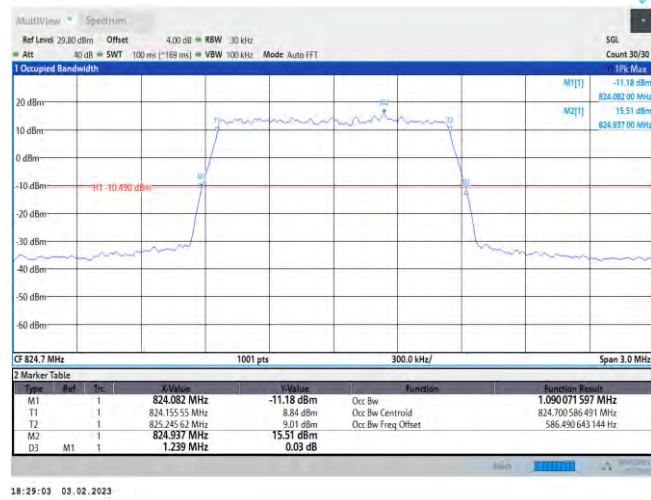
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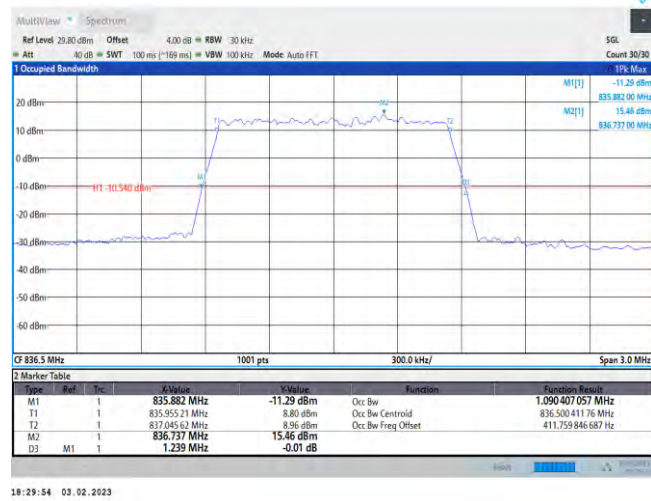
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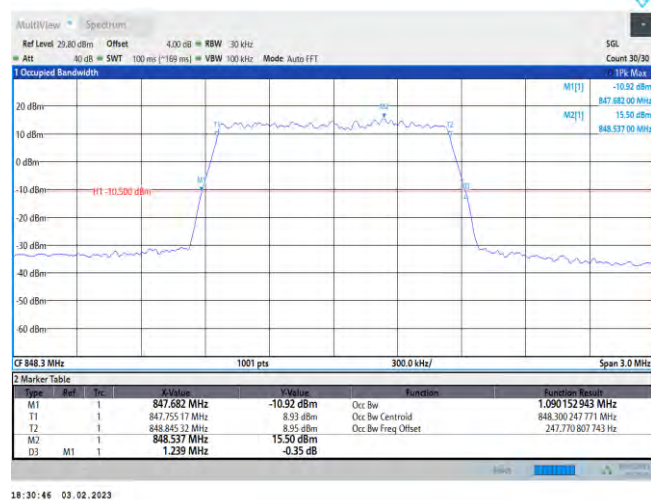
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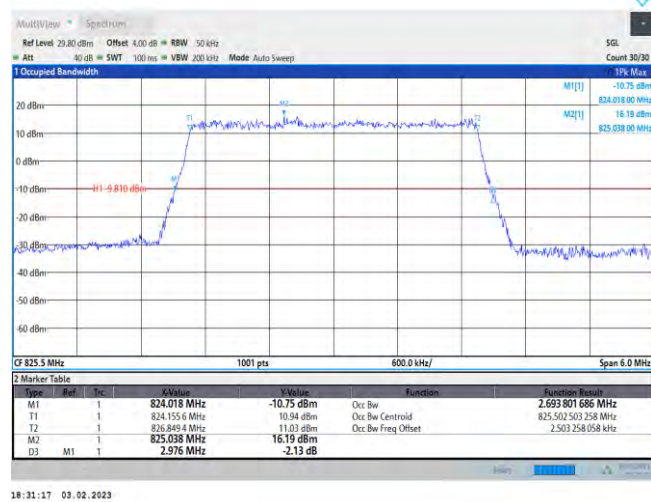
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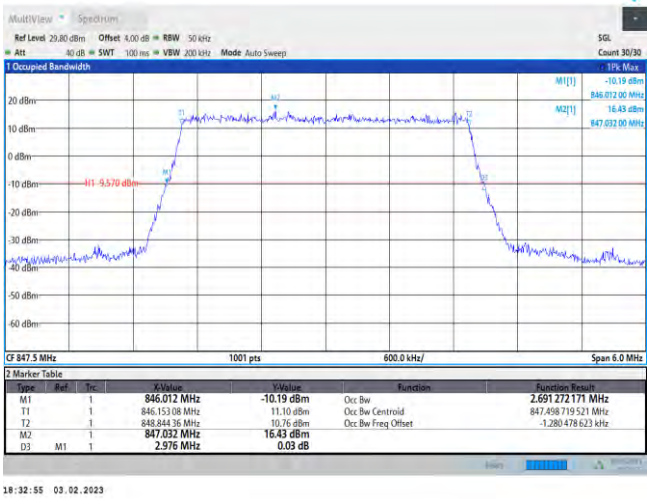
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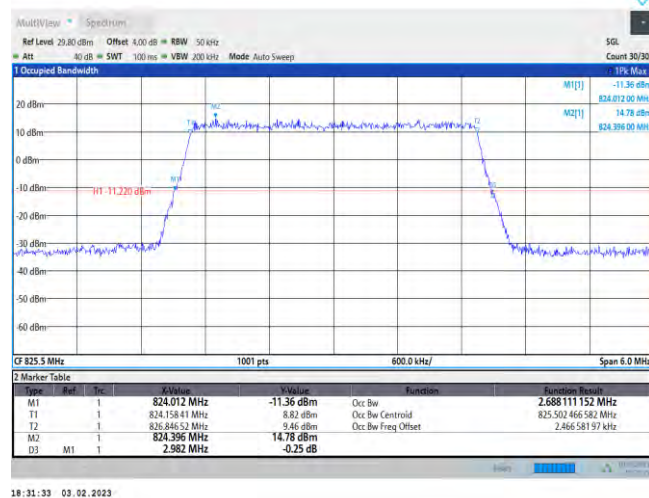
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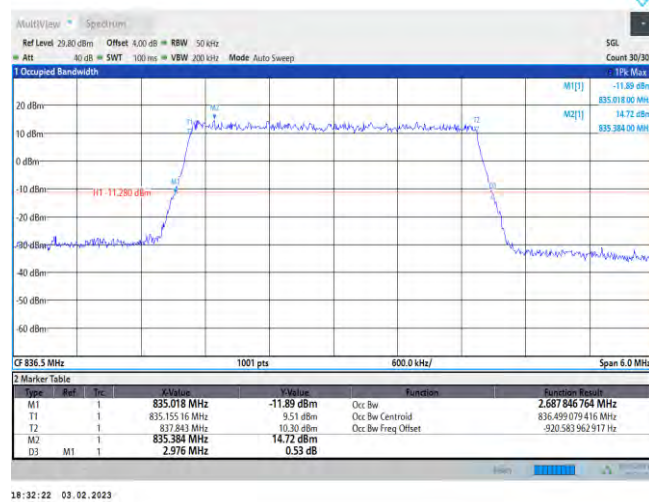
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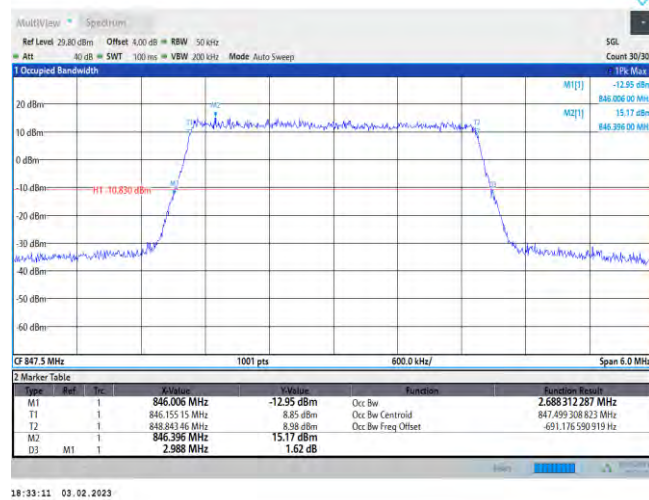
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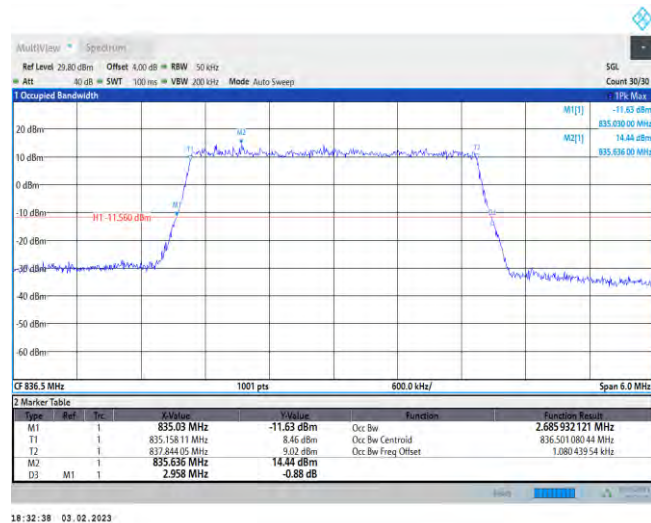
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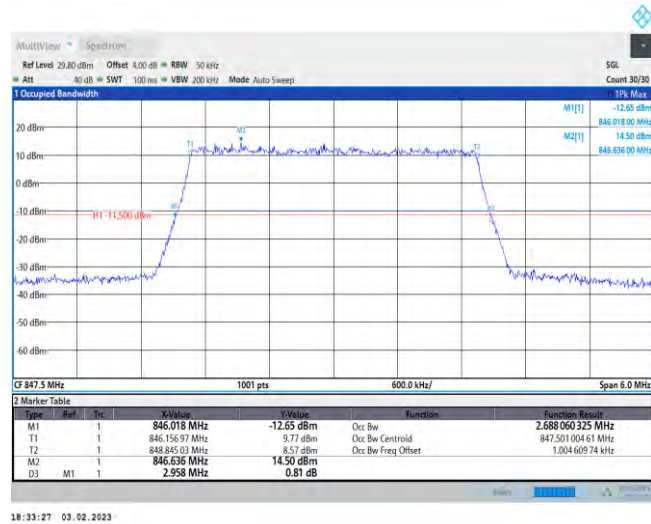
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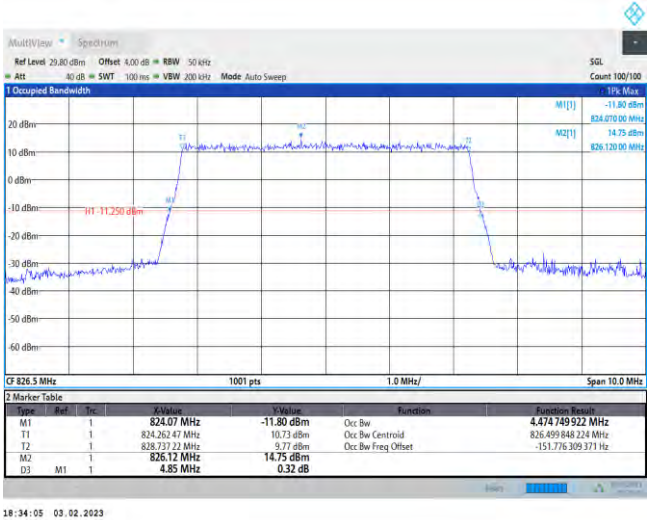
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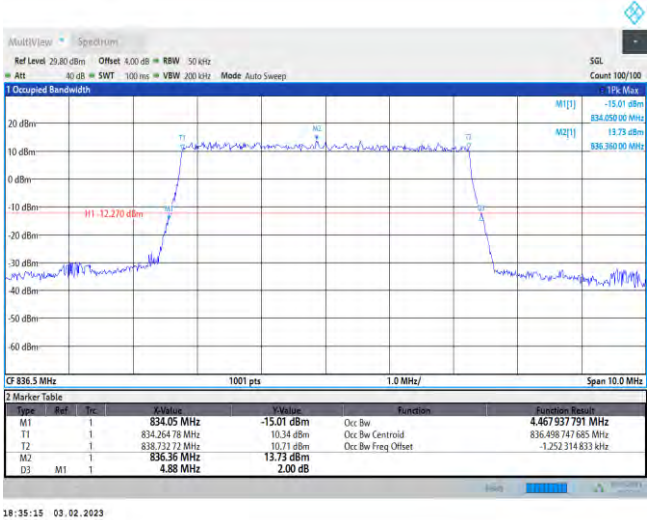
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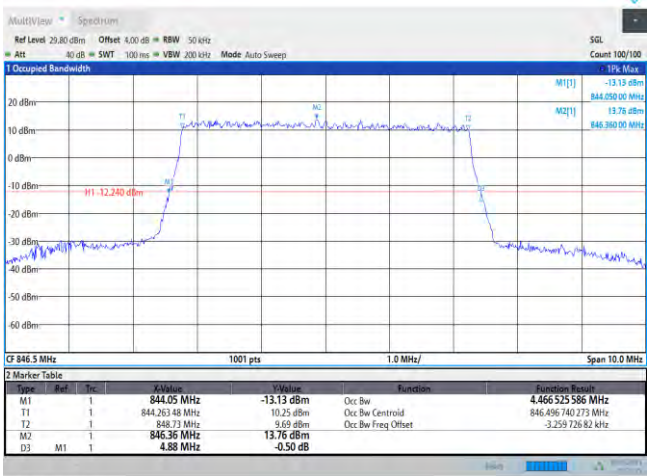
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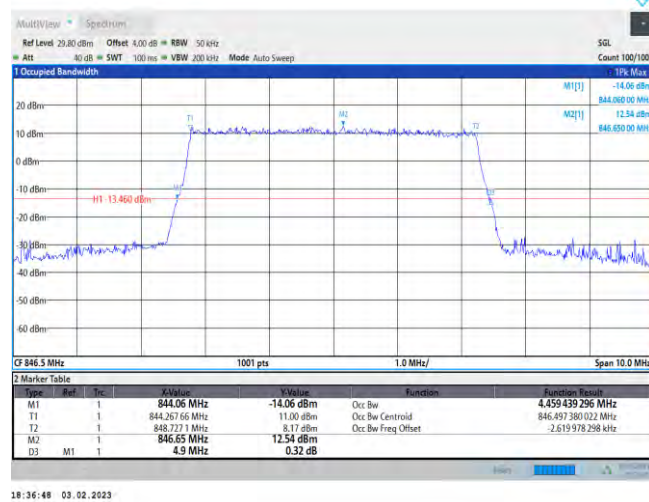


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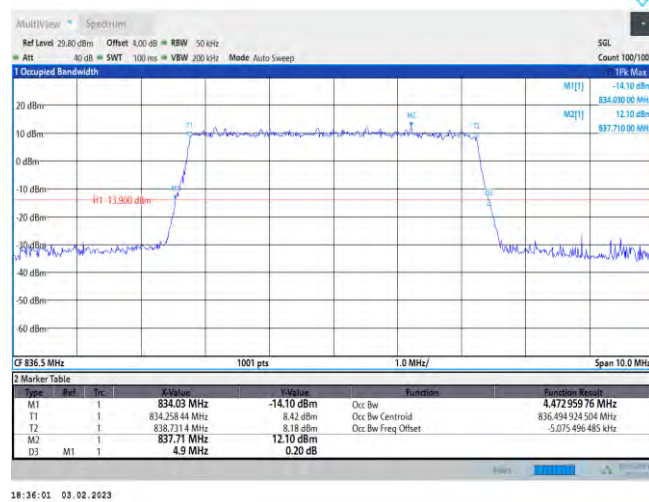
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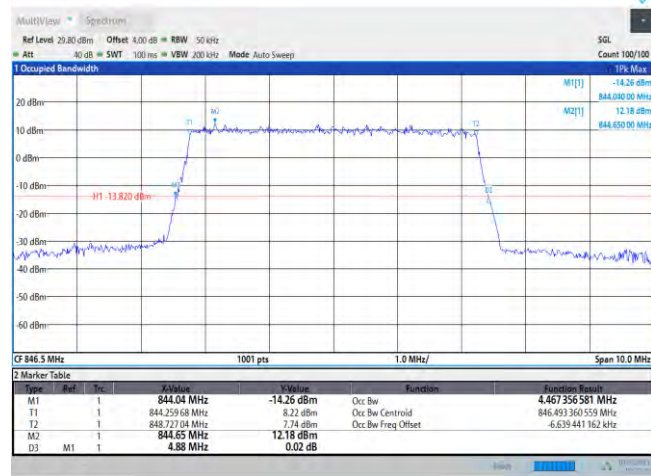
Band5-5MHz-64QAM-20425-25RB#0



Band5-5MHz-64QAM-20525-25RB#0

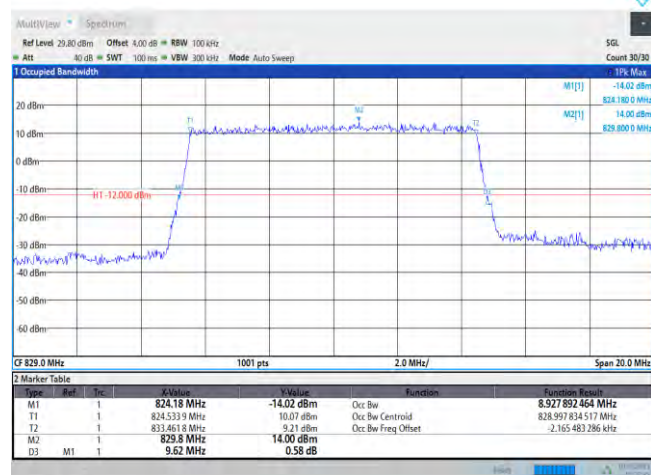


Band5-5MHz-64QAM-20625-25RB#0



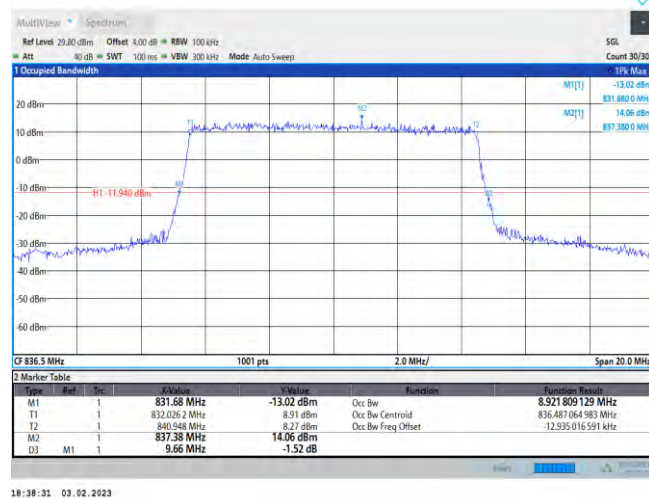
18:37:11 03.02.2023

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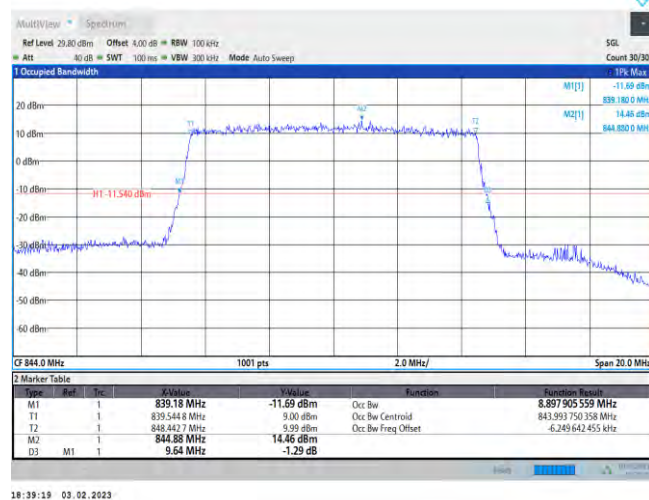
18:37:42 03.02.2023

Band5-10MHz-QPSK-20525-50RB#0



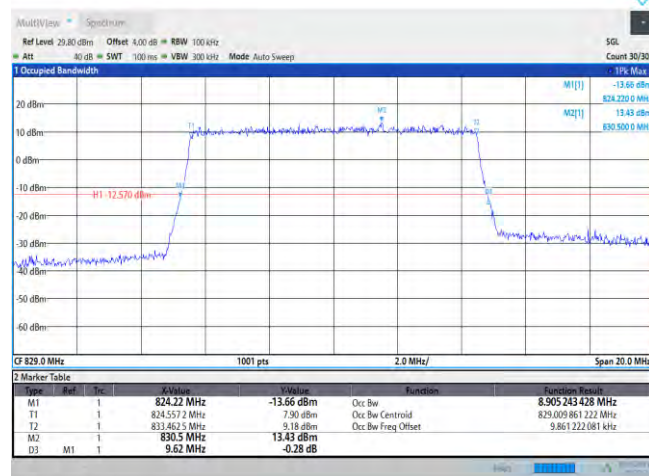
18:38:31 03.02.2023

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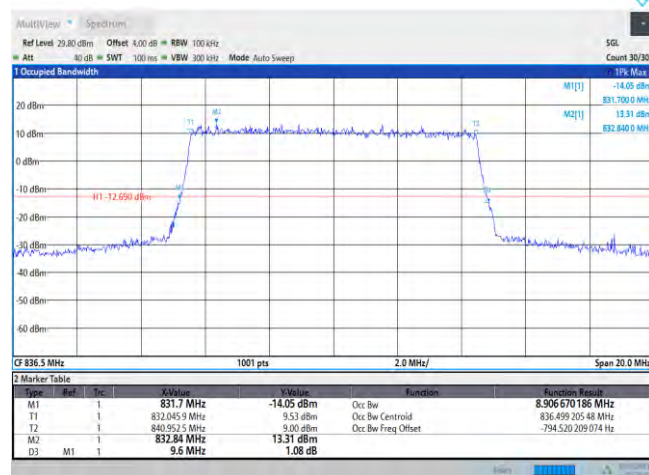
18:39:19 03.02.2023

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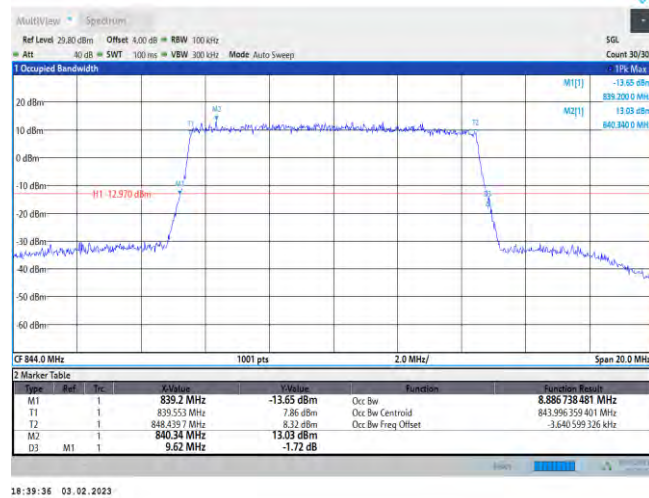
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Band5-10MHz-16QAM-20525-50RB#0

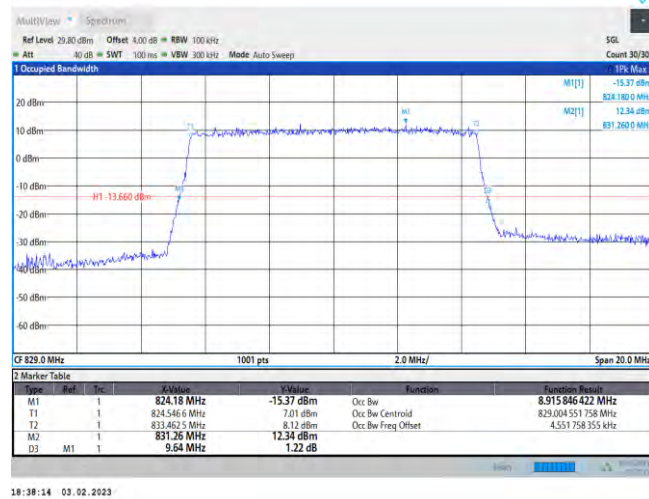


18:38:47 03.02.2023

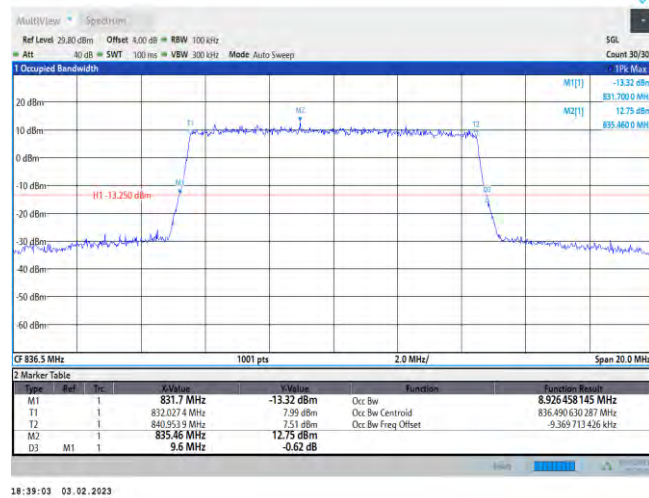
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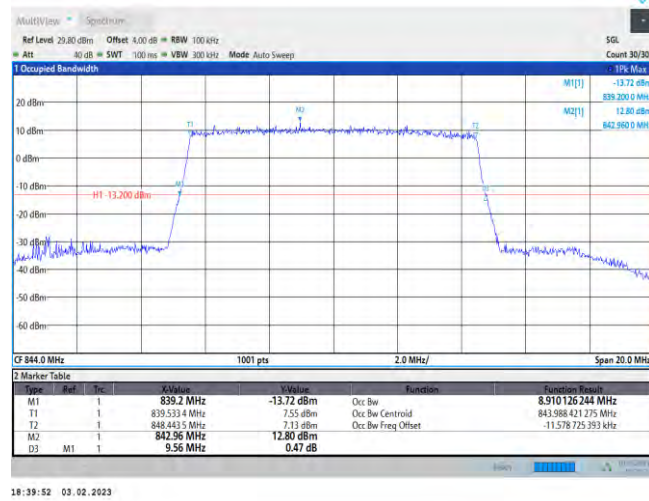
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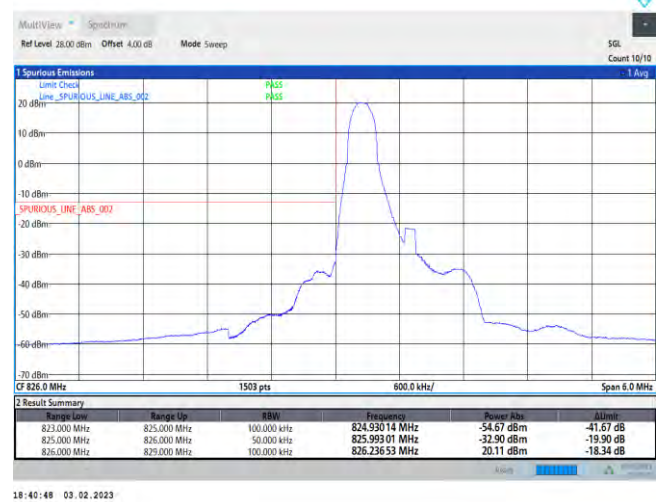
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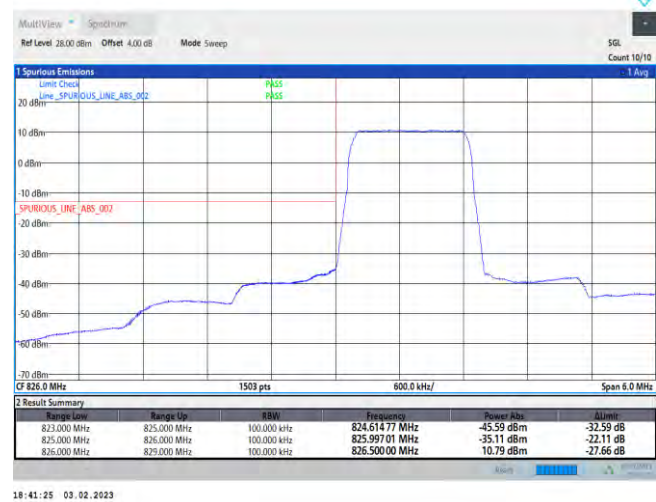
Band Edge

Test Graphs

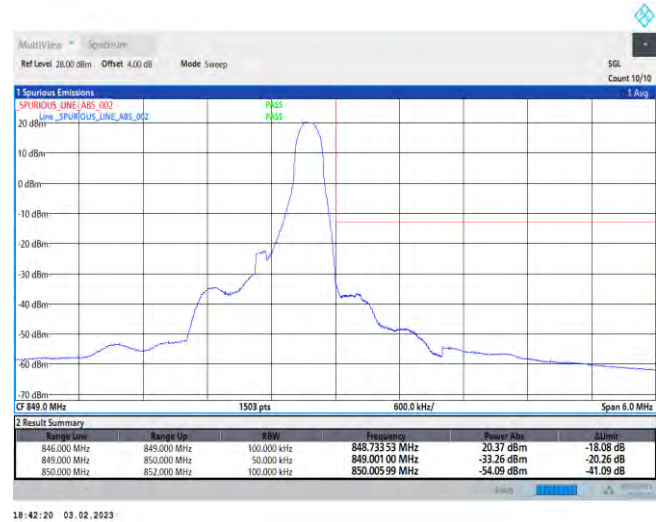
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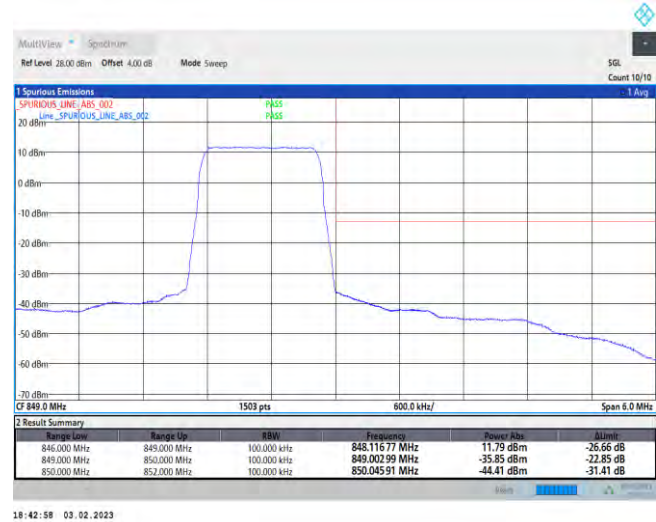
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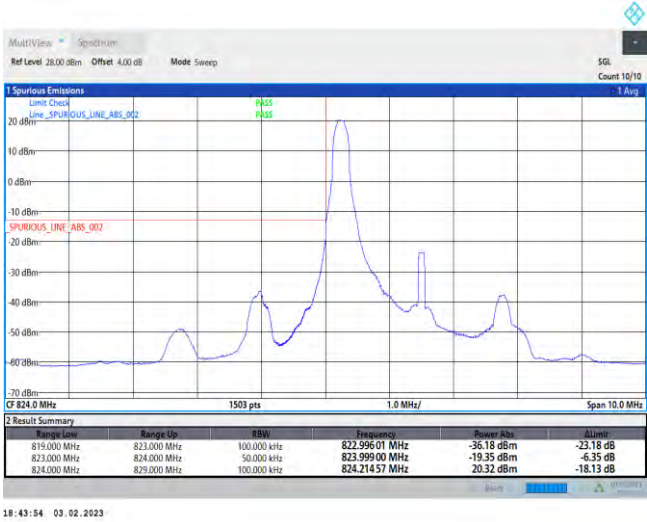
Band5-1.4MHz-QPSK-20643-1RB#5



Band5-1.4MHz-QPSK-20643-6RB#0



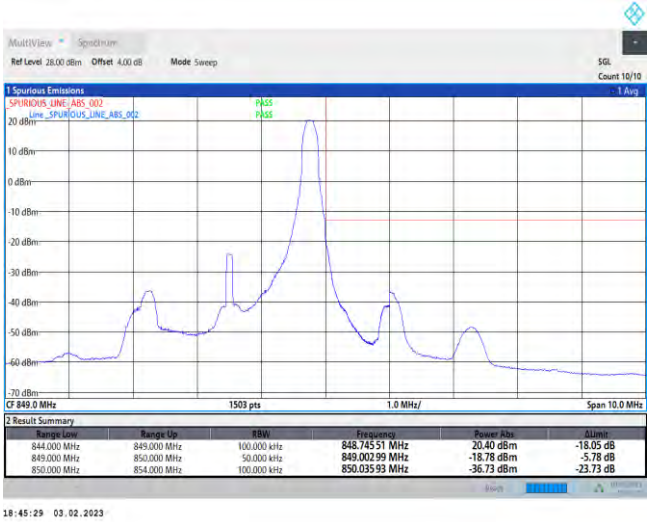
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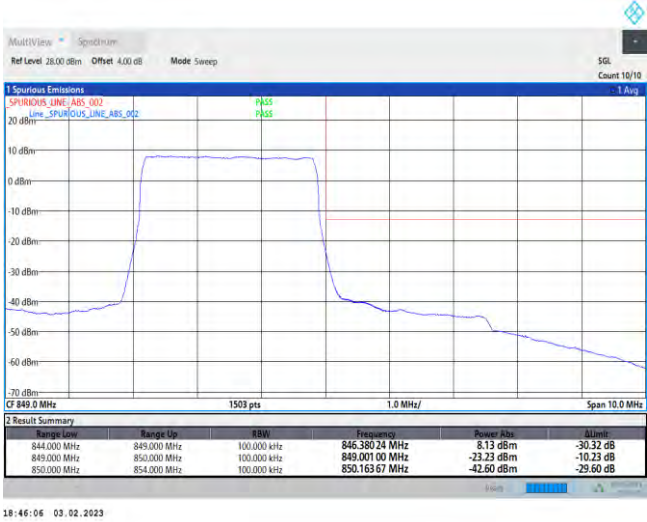
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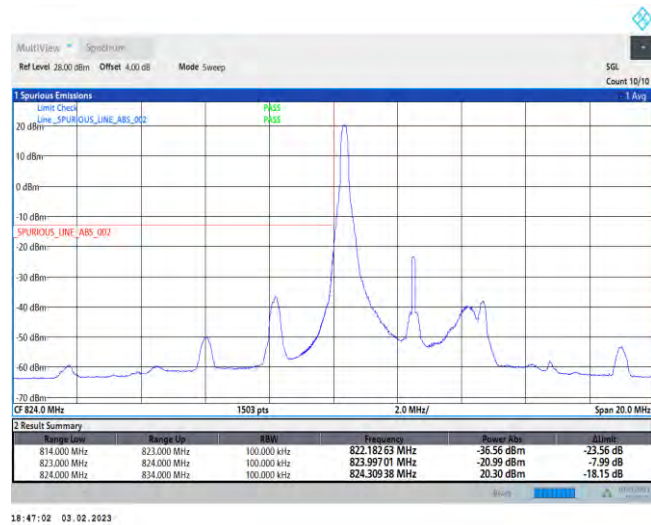
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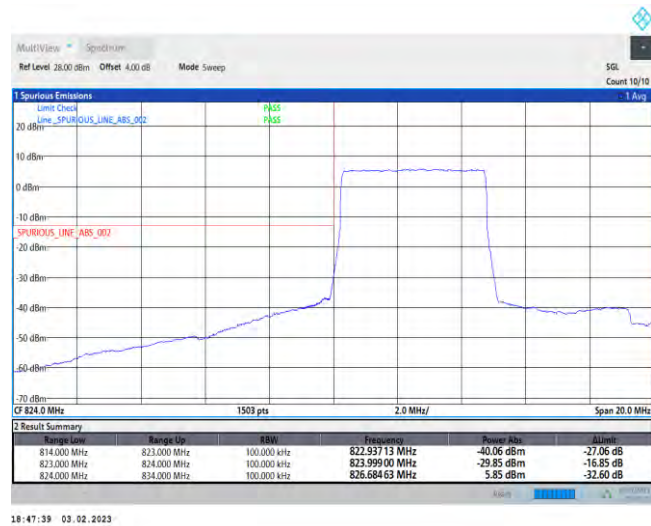
Band5-3MHz-QPSK-20635-15RB#0



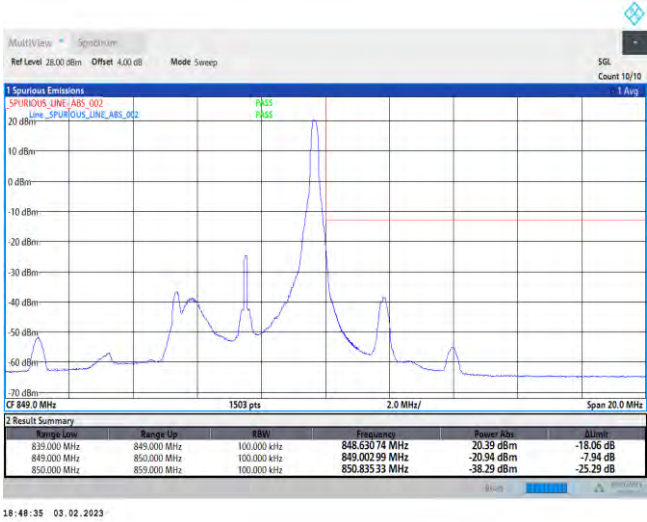
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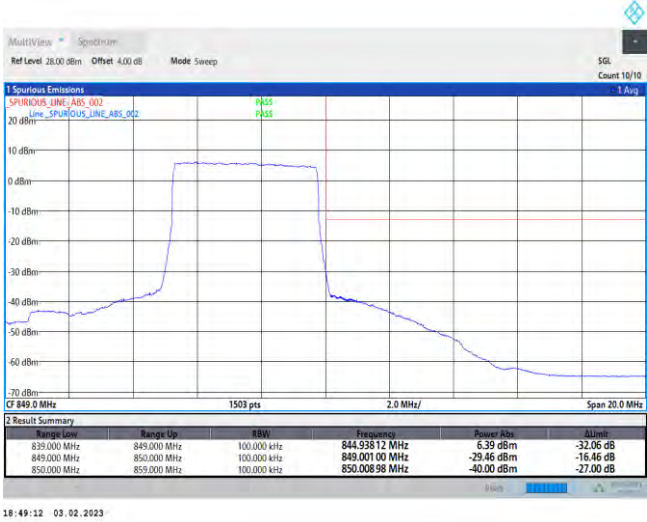
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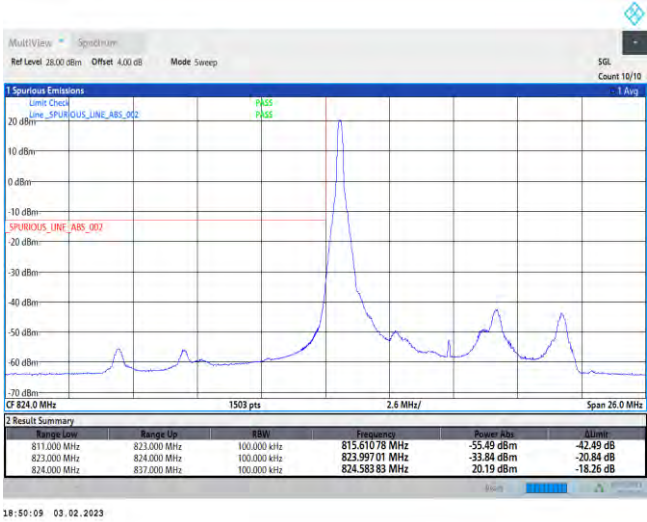
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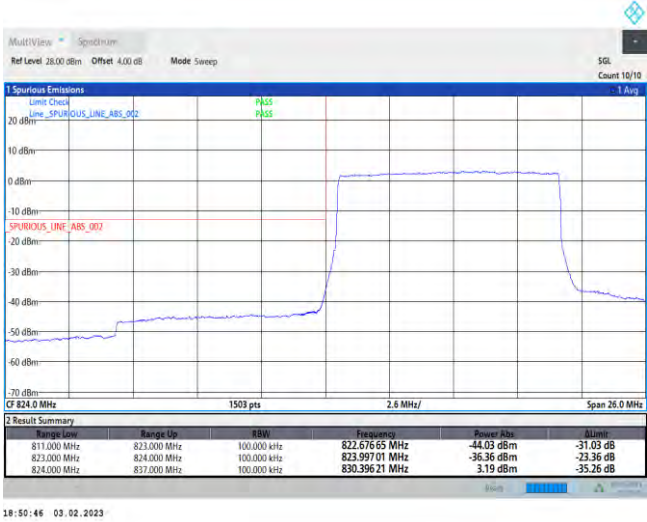
Band5-5MHz-QPSK-20625-25RB#0



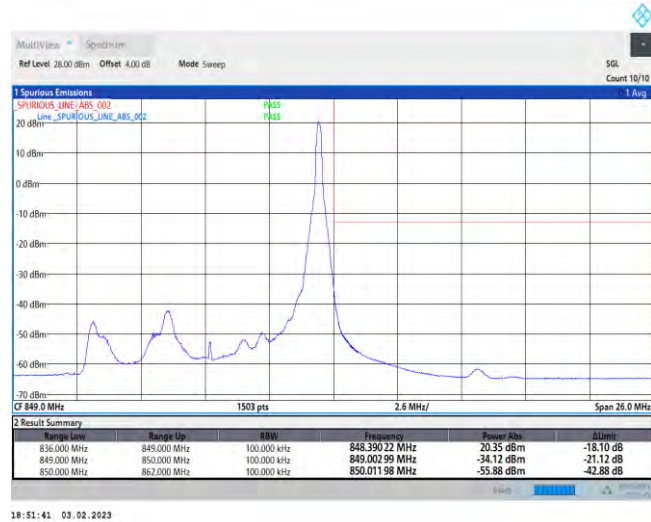
Band5-10MHz-QPSK-20450-1RB#0



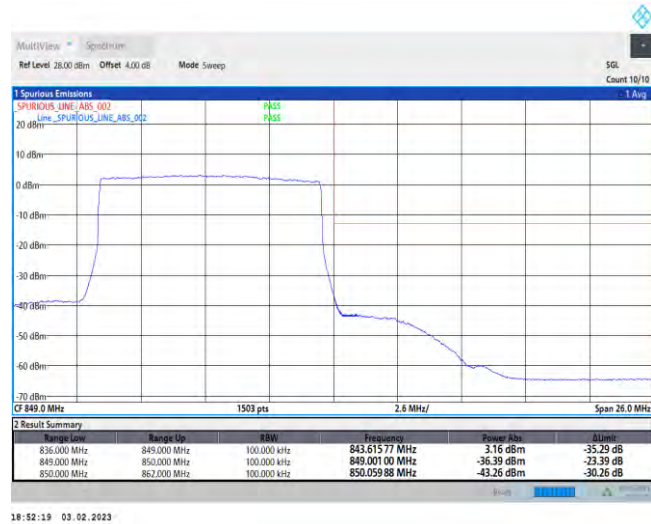
Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20600-1RB#49



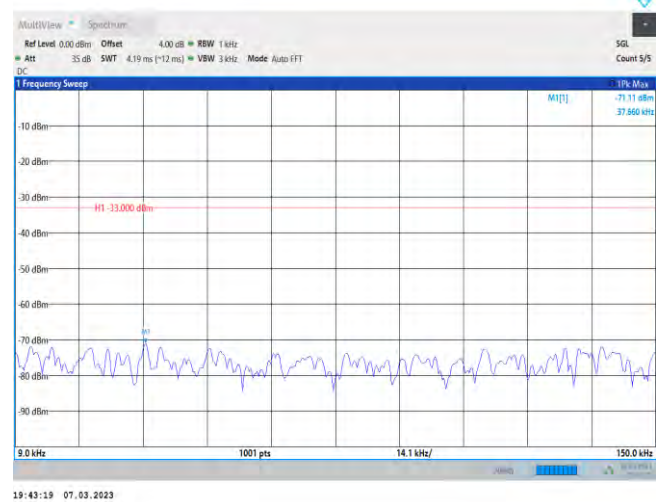
Band5-10MHz-QPSK-20600-50RB#0



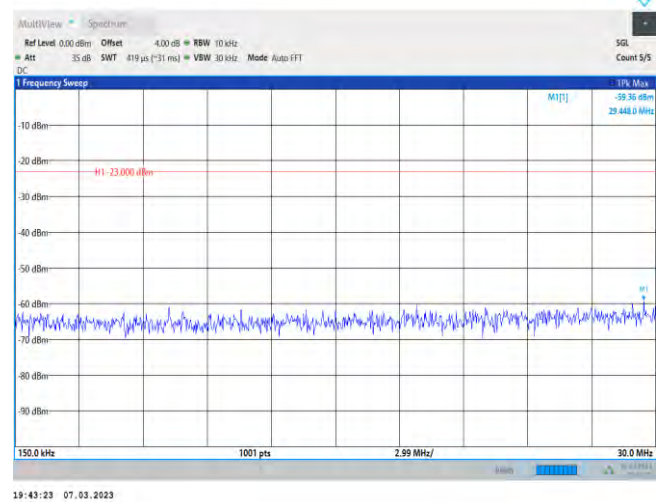
Conducted Spurious Emission

Test Graphs

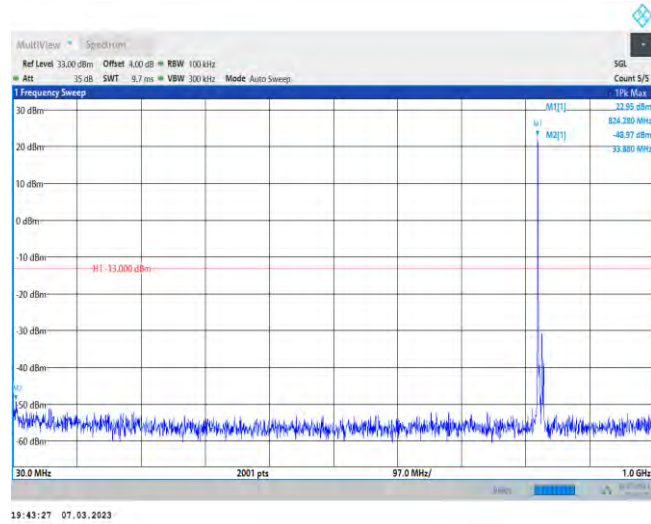
Band5-10MHz-QPSK-20450-1RB#0-Range1:0.009~0.15MHz



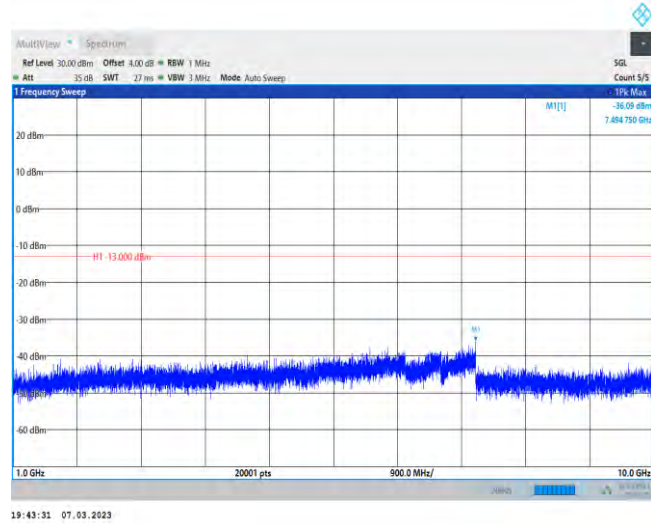
Band5-10MHz-QPSK-20450-1RB#0-Range2:0.15~30MHz



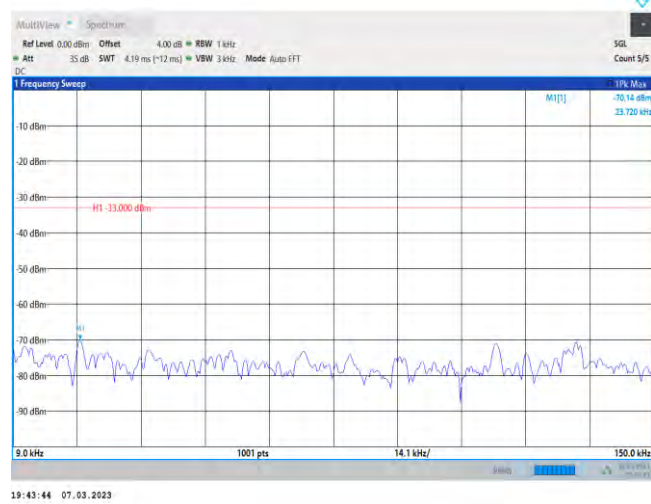
Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



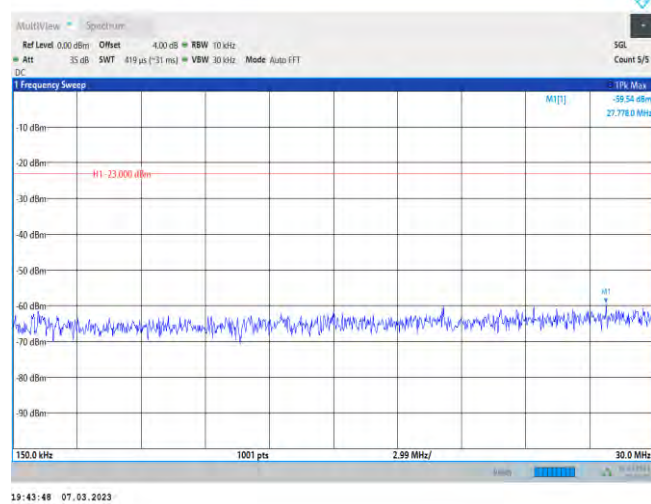
Band5-10MHz-QPSK-20450-1RB#0-Range4:1000~10000MHz



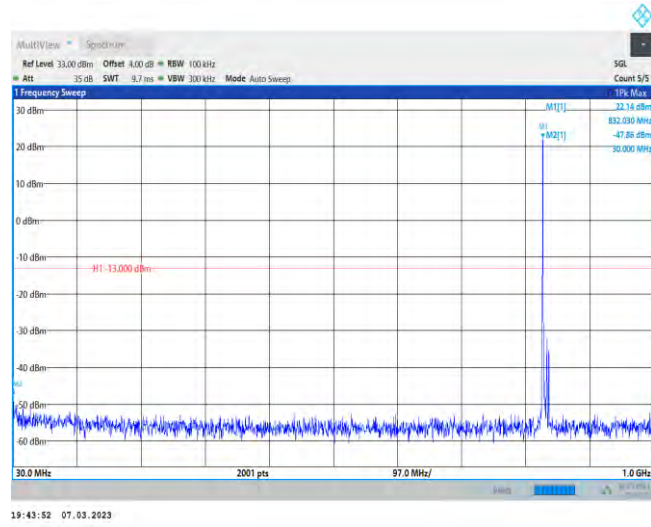
Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



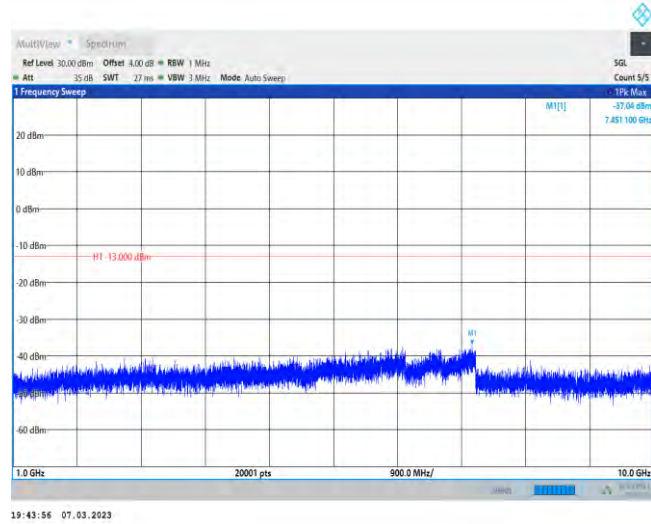
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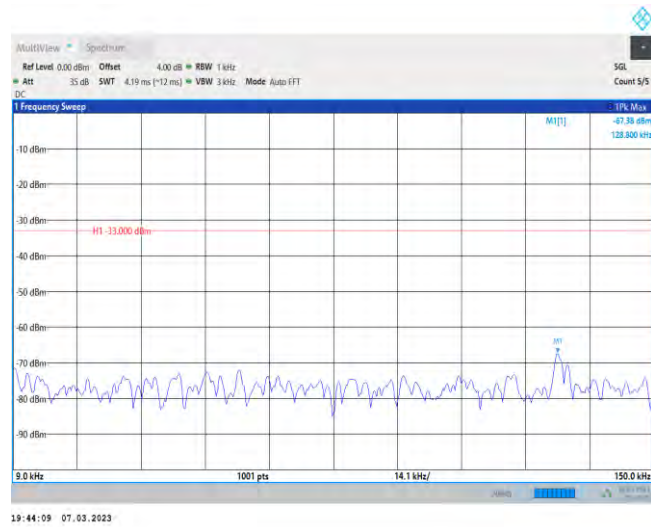
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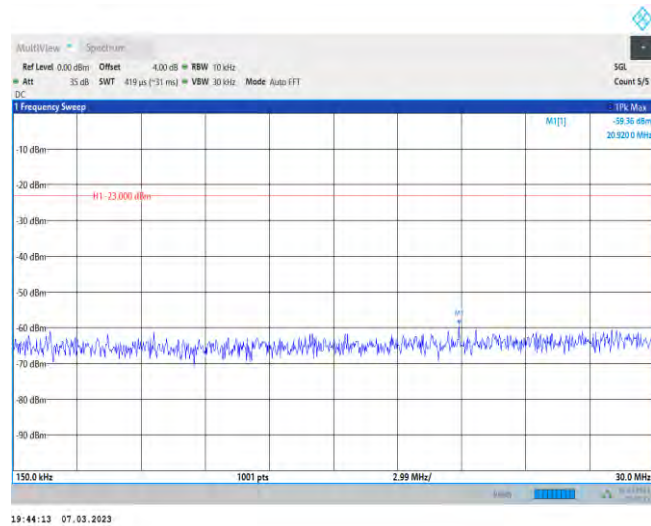
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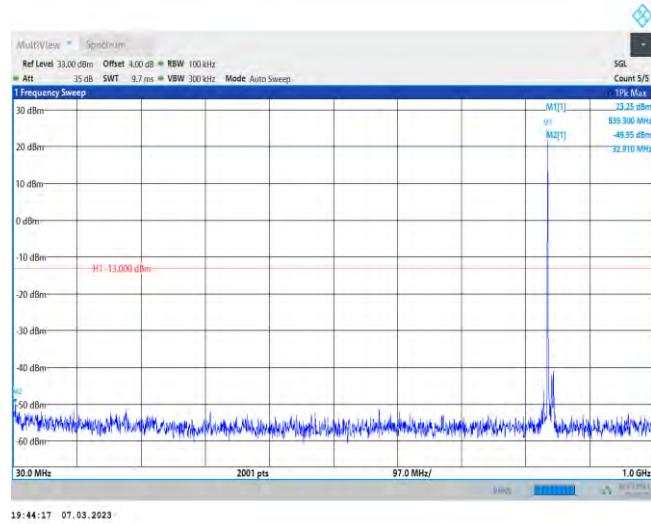
Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



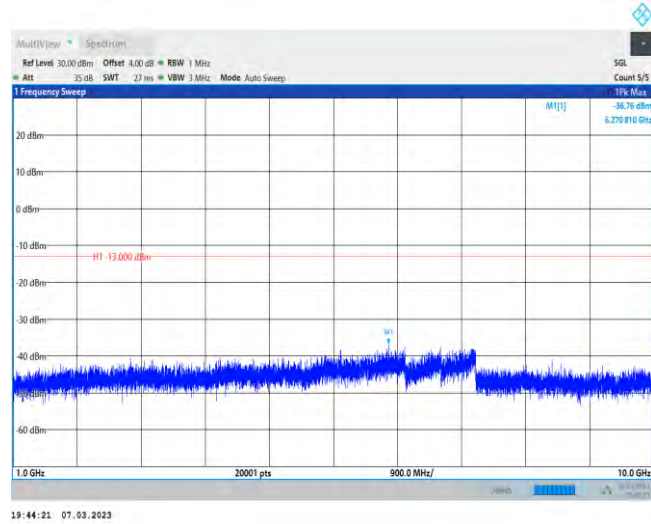
Band5-10MHz-QPSK-20600-1RB#0-Range2:0.15~30MHz



Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



Band5-10MHz-QPSK-20600-1RB#0-Range4:1000~10000MHz



Field Strength of Spurious Radiation

Test Band = LTE Band 5_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.18	45.30	-48.38	25.58	-72.77	-13.00	59.77	241	16	Horizontal
2	2473.77	43.53	-46.96	27.85	-70.85	-13.00	57.85	185	357	Horizontal
3	3298.36	43.16	-46.11	29.48	-68.73	-13.00	55.73	265	252	Horizontal
4	4122.95	41.73	-45.34	30.80	-68.07	-13.00	55.07	223	235	Horizontal
5	4947.54	42.11	-45.08	32.47	-65.76	-13.00	52.76	366	235	Horizontal
6	5772.13	41.38	-43.52	33.47	-63.93	-13.00	50.93	247	2	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.18	44.45	-48.38	25.58	-73.62	-13.00	60.62	241	309	Vertical
2	2473.77	44.02	-46.96	27.85	-70.36	-13.00	57.36	152	309	Vertical
3	3298.36	43.88	-46.11	29.48	-68.01	-13.00	55.01	263	45	Vertical
4	4122.95	41.61	-45.34	30.80	-68.19	-13.00	55.19	225	360	Vertical
5	4947.54	42.09	-45.08	32.47	-65.78	-13.00	52.78	284	360	Vertical
6	5772.13	42.02	-43.52	33.47	-63.29	-13.00	50.29	146	357	Vertical

Test Band = LTE Band 5_ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.18	45.44	-48.34	25.57	-72.59	-13.00	59.59	206	142	Horizontal
2	2496.27	43.82	-46.77	27.89	-70.32	-13.00	57.32	296	80	Horizontal
3	3328.36	43.19	-46.16	29.47	-68.76	-13.00	55.76	265	64	Horizontal
4	4160.45	41.25	-45.23	30.86	-68.38	-13.00	55.38	254	237	Horizontal
5	4992.54	42.09	-45.02	32.58	-65.61	-13.00	52.61	142	17	Horizontal
6	5824.63	41.82	-43.43	33.64	-63.23	-13.00	50.23	225	0	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.18	45.46	-48.34	25.57	-72.57	-13.00	59.57	232	173	Vertical
2	2496.27	43.78	-46.77	27.89	-70.36	-13.00	57.36	285	249	Vertical
3	3328.36	43.24	-46.16	29.47	-68.71	-13.00	55.71	244	47	Vertical
4	4160.45	42.29	-45.23	30.86	-67.34	-13.00	54.34	255	296	Vertical
5	4992.54	42.45	-45.02	32.58	-65.25	-13.00	52.25	263	280	Vertical
6	5824.63	42.88	-43.43	33.64	-62.17	-13.00	49.17	225	187	Vertical

Test Band = LTE Band 5_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.18	45.00	-48.30	25.56	-73.00	-13.00	60.00	126	16	Horizontal
2	2518.77	43.58	-46.84	27.96	-70.55	-13.00	57.55	296	234	Horizontal
3	3358.36	43.25	-46.21	29.46	-68.76	-13.00	55.76	284	0	Horizontal
4	4197.95	41.72	-45.12	30.92	-67.74	-13.00	54.74	142	16	Horizontal
5	5037.54	42.60	-44.85	32.60	-64.91	-13.00	51.91	255	1	Horizontal
6	5887.13	41.84	-43.24	33.84	-62.82	-13.00	49.82	286	357	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.18	44.87	-48.30	25.56	-73.13	-13.00	60.13	285	360	Vertical
2	2518.77	43.83	-46.84	27.96	-70.30	-13.00	57.30	263	360	Vertical
3	3358.36	43.31	-46.21	29.46	-68.70	-13.00	55.70	254	358	Vertical
4	4197.95	42.13	-45.12	30.92	-67.33	-13.00	54.33	142	360	Vertical
5	5037.54	42.35	-44.85	32.60	-65.16	-13.00	52.16	255	111	Vertical
6	5887.13	41.82	-43.24	33.84	-62.84	-13.00	49.84	296	64	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	0.70	0.000837	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-1.20	-0.001435	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-0.50	-0.000598	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-0.30	-0.000359	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	1.10	0.001315	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-2.70	-0.003228	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-3.50	-0.004184	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-1.90	-0.002271	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	1.30	0.001554	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-2.50	-0.002989	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	1.40	0.001674	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-3.00	-0.003586	±2.5	PASS

---End of Attachment---