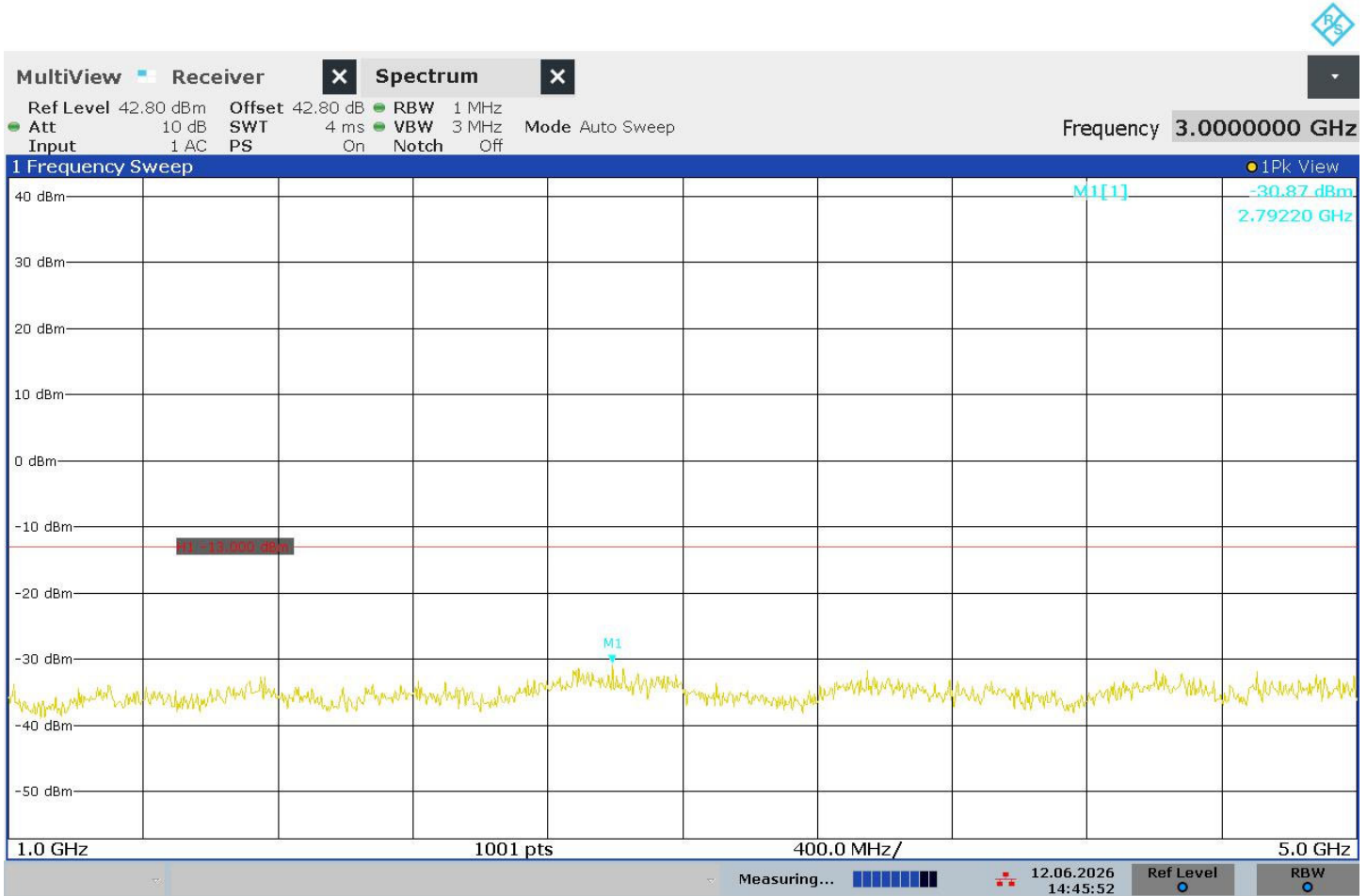
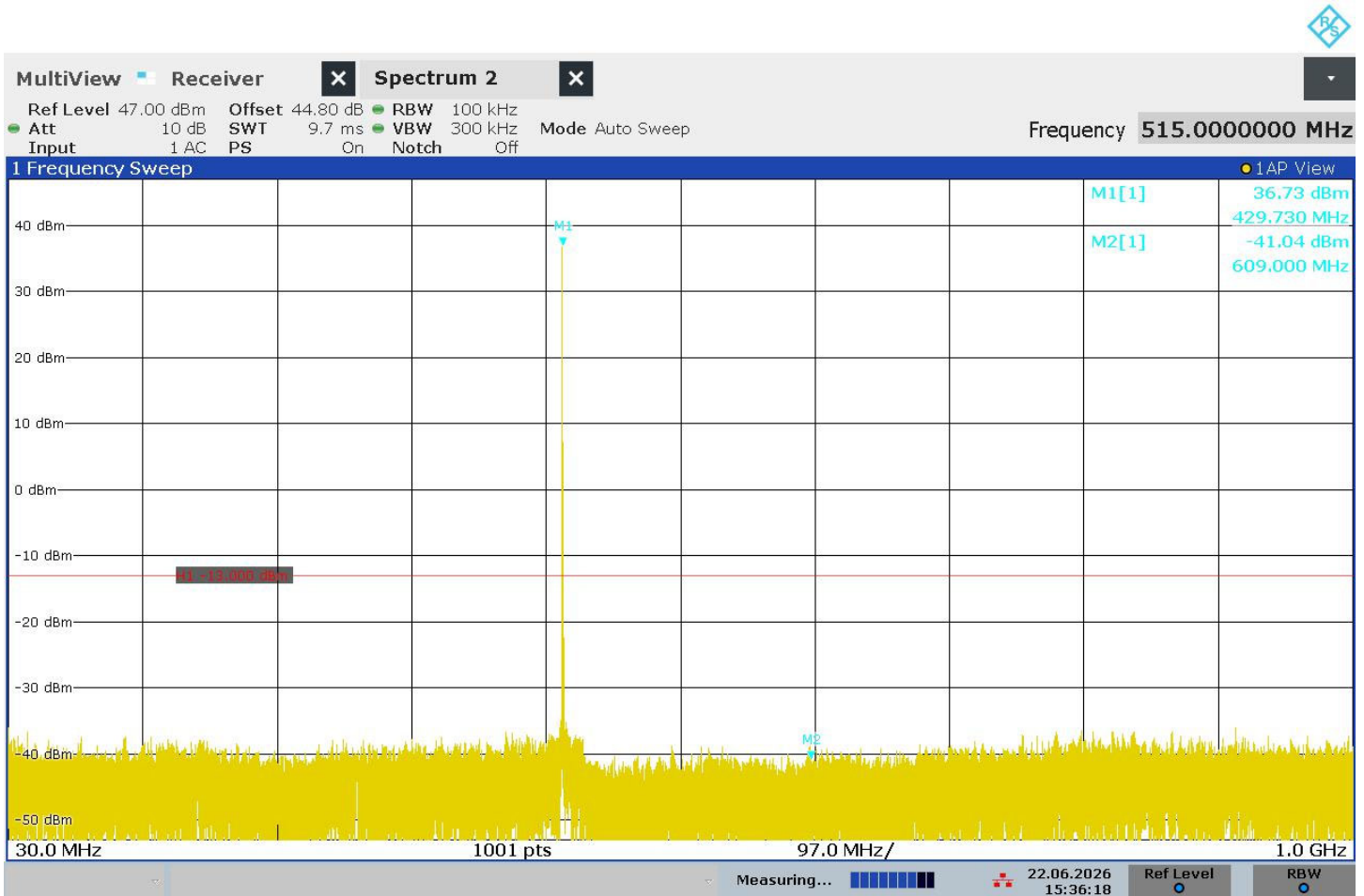


8.5.14 Conducted Emissions, Above 1GHz, 12.5 kHz Analog, 429.9875 MHz, Mode 1



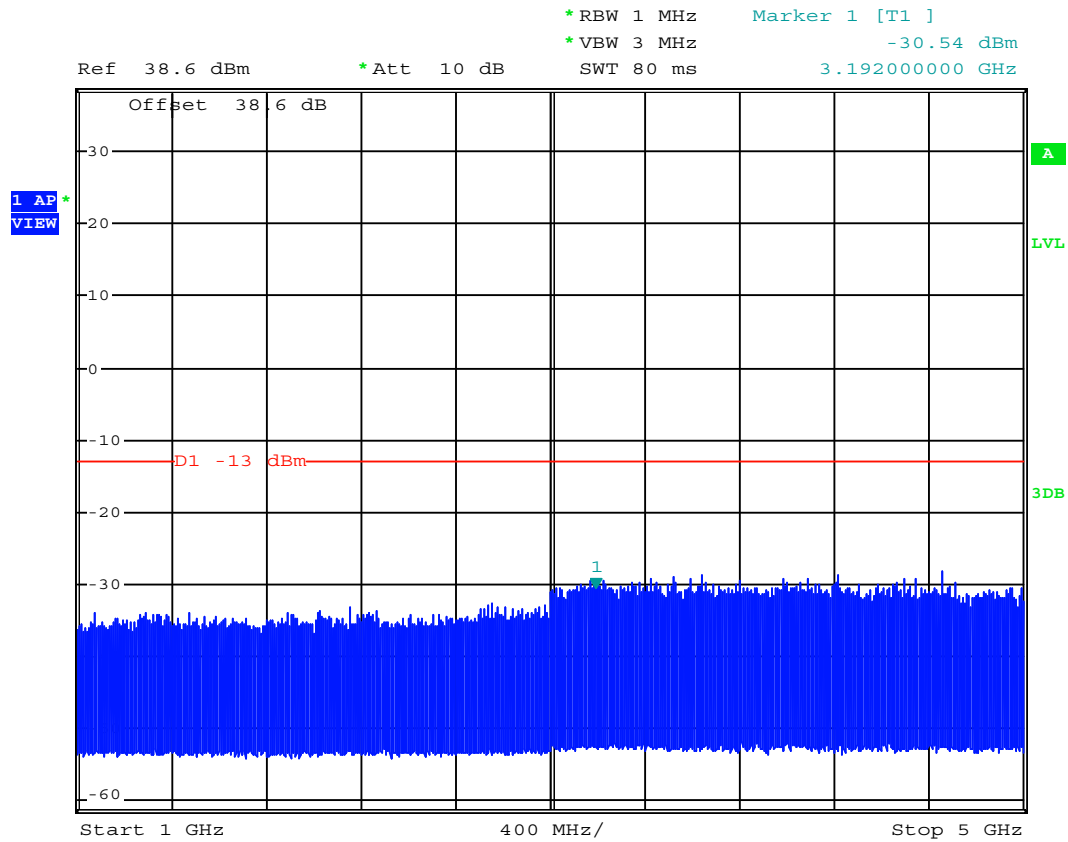
14:45:52 12.06.2026

8.5.15 Conducted Emissions Below 1GHz, 25 kHz Analog, 429.9875 MHz, Mode 1



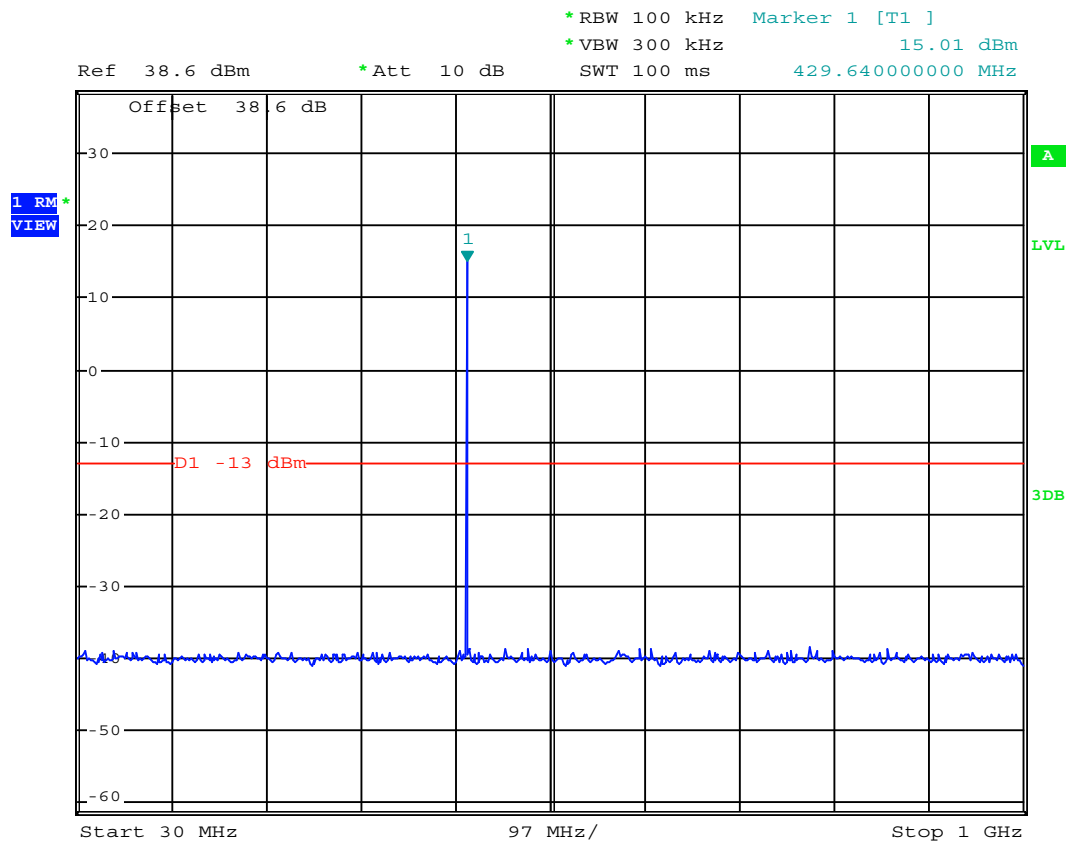
15:36:18 22.06.2026

8.5.16 Conducted Emissions Above 1GHz, 25 kHz Analog, 429.9875 MHz, Mode 1



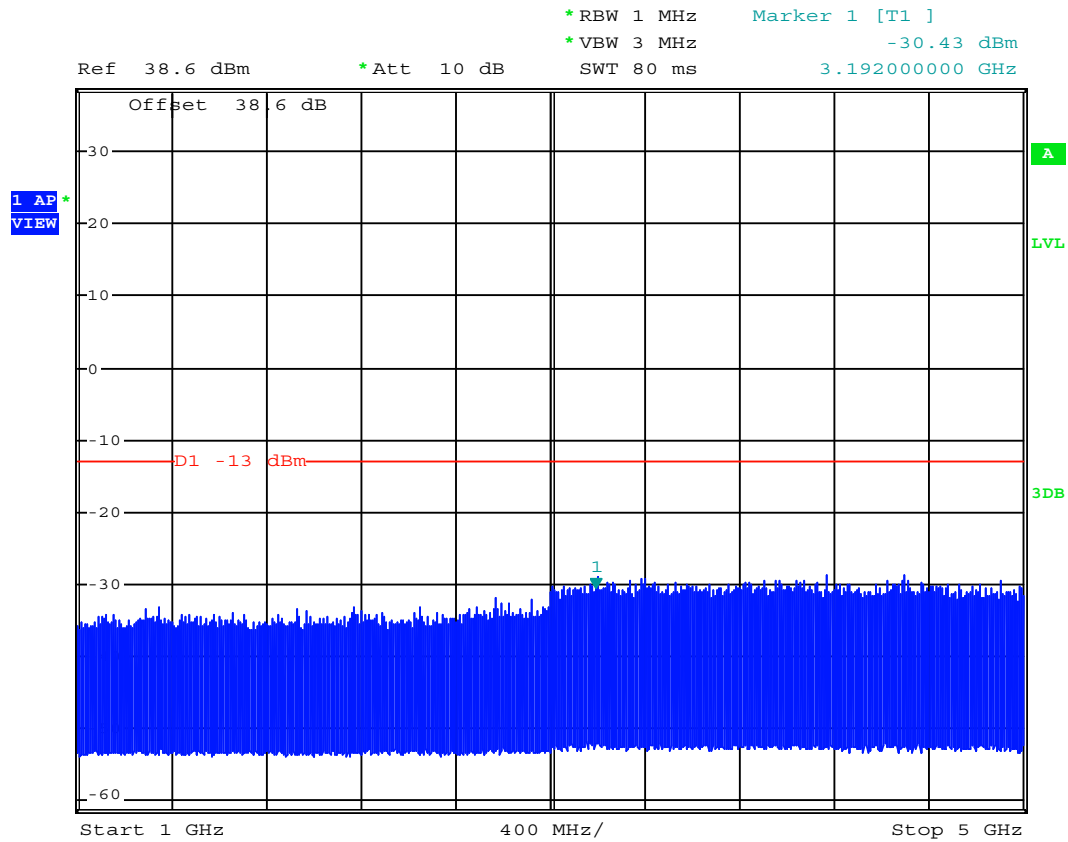
Date: 12.MAY.2026 11:22:35

8.5.17 Conducted Emissions Below 1GHz, 12.5 kHz Digital, 429.9875 MHz, Mode 1



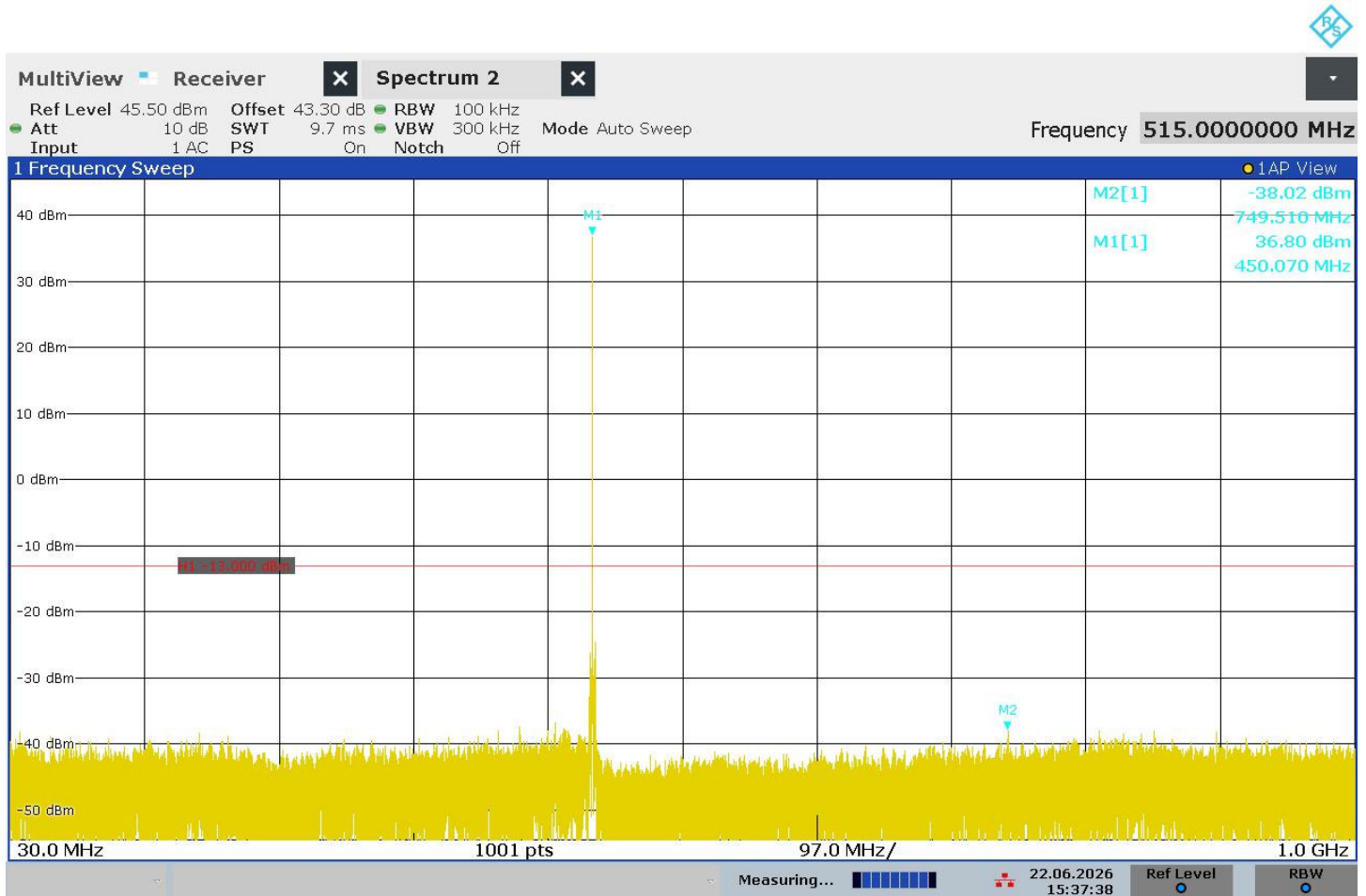
Date: 12.MAY.2026 10:29:30

8.5.18 Conducted Emissions Above 1GHz, 12.5 kHz Digital, 429.9875 MHz, Mode 1



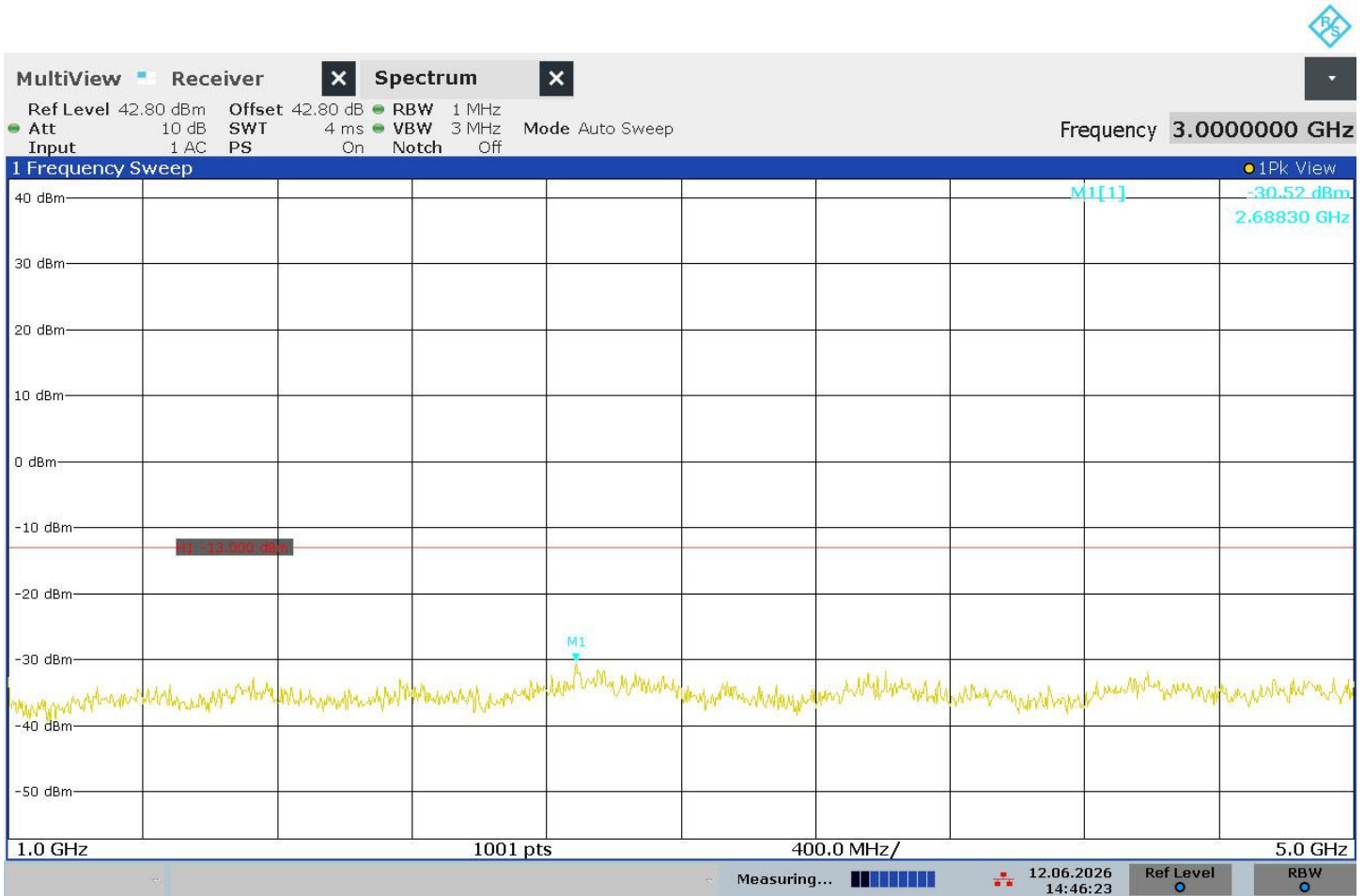
Date: 12.MAY.2026 11:28:36

8.5.19 Conducted Emissions, Below 1GHz, 12.5 kHz Analog, 450.025 MHz, Mode 1



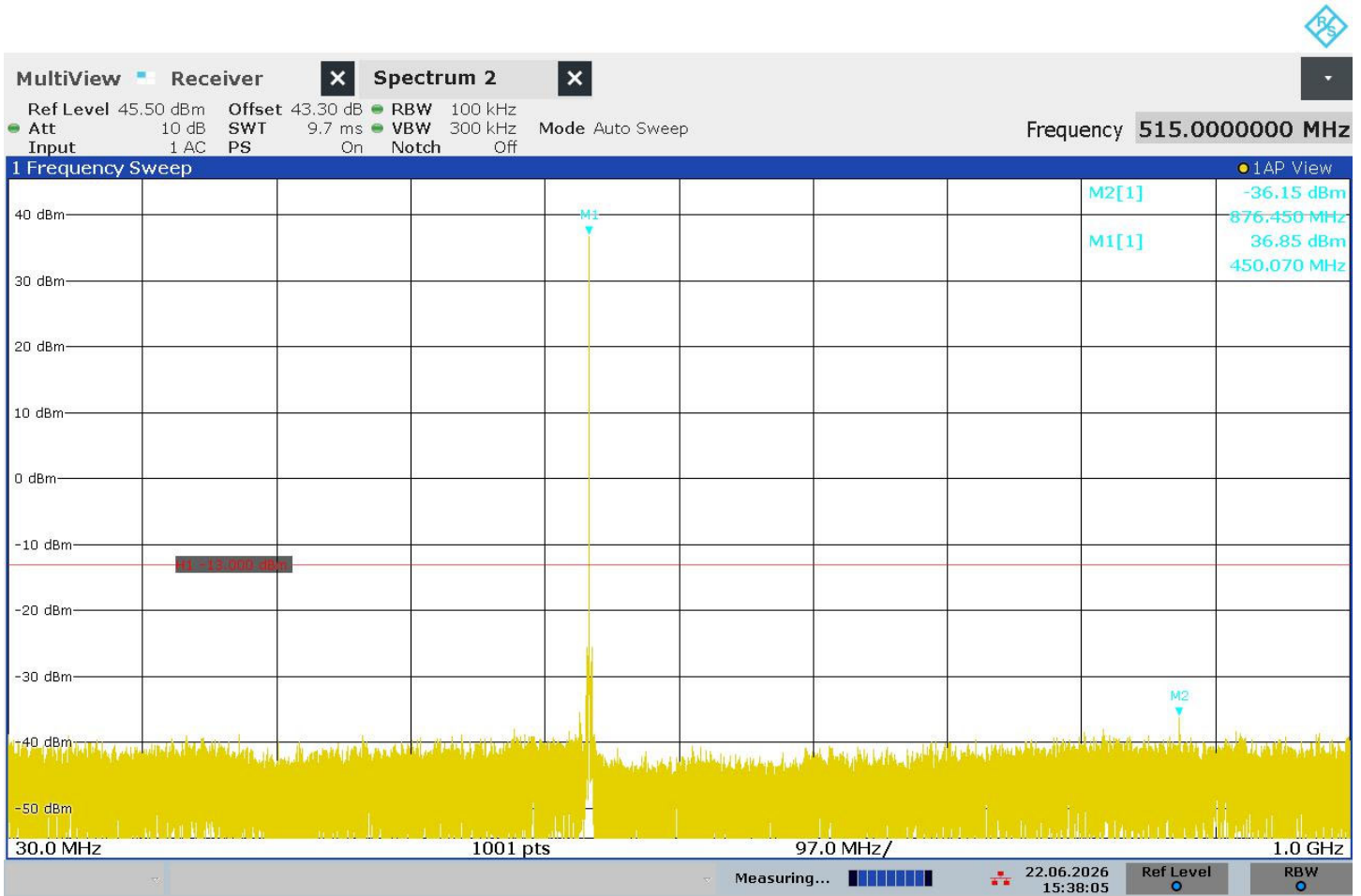
15:37:39 22.06.2026

8.5.20 Conducted Emissions, Above 1GHz, 12.5 kHz Analog, 450.025 MHz, Mode 1



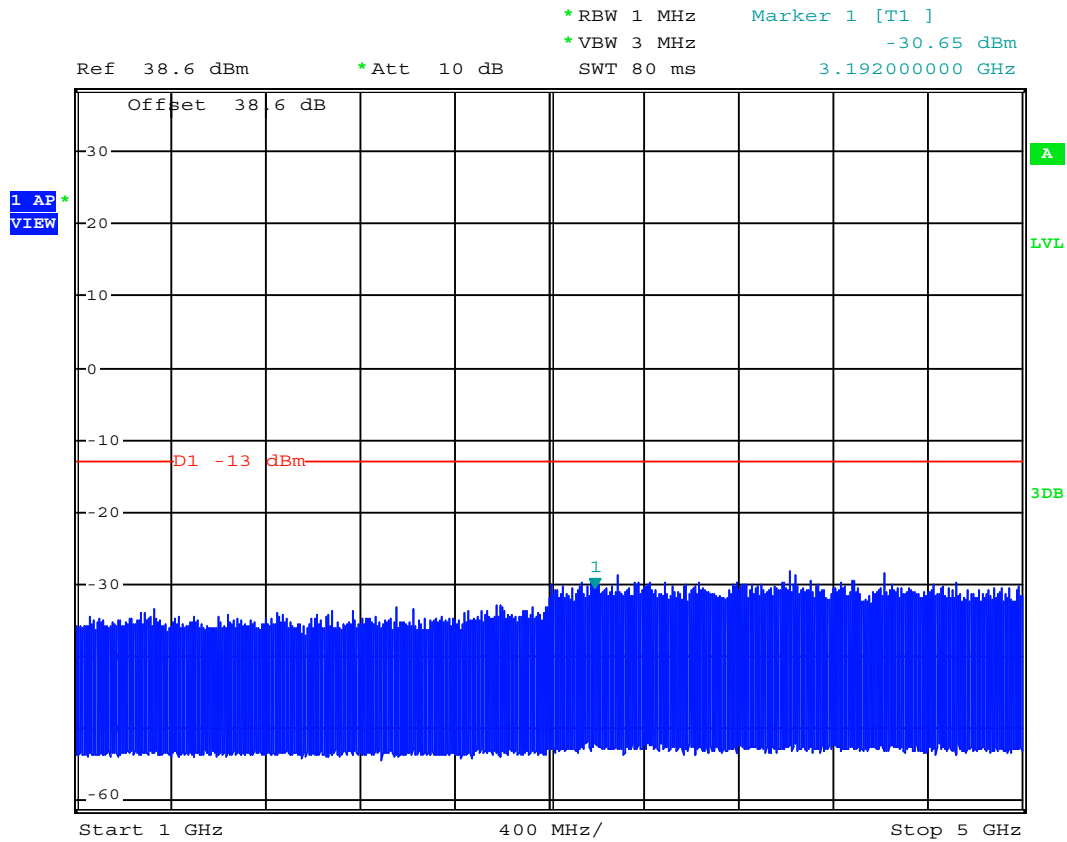
14:46:23 12.06.2026

8.5.21 Conducted Emissions Below 1GHz, 25 kHz Analog, 450.025 MHz, Mode 1



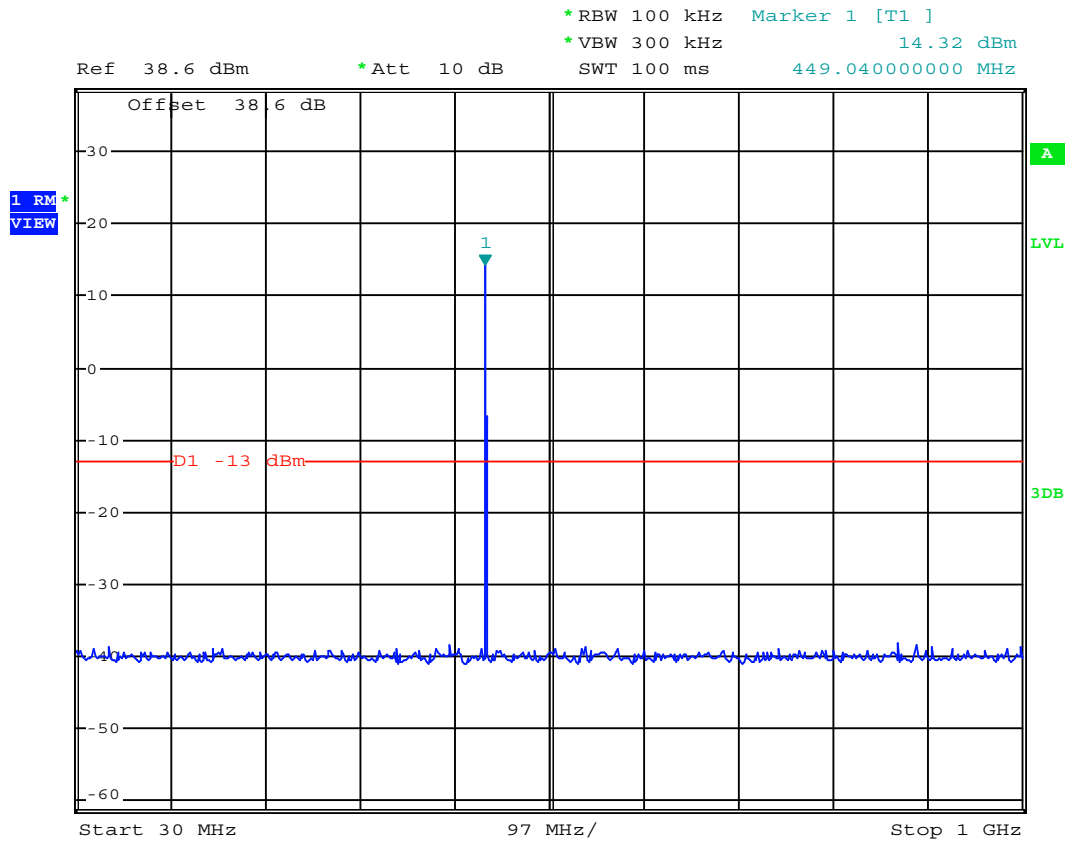
15:38:05 22.06.2026

8.5.22 Conducted Emissions Above 1GHz, 25 kHz Analog, 450.025 MHz, Mode 1



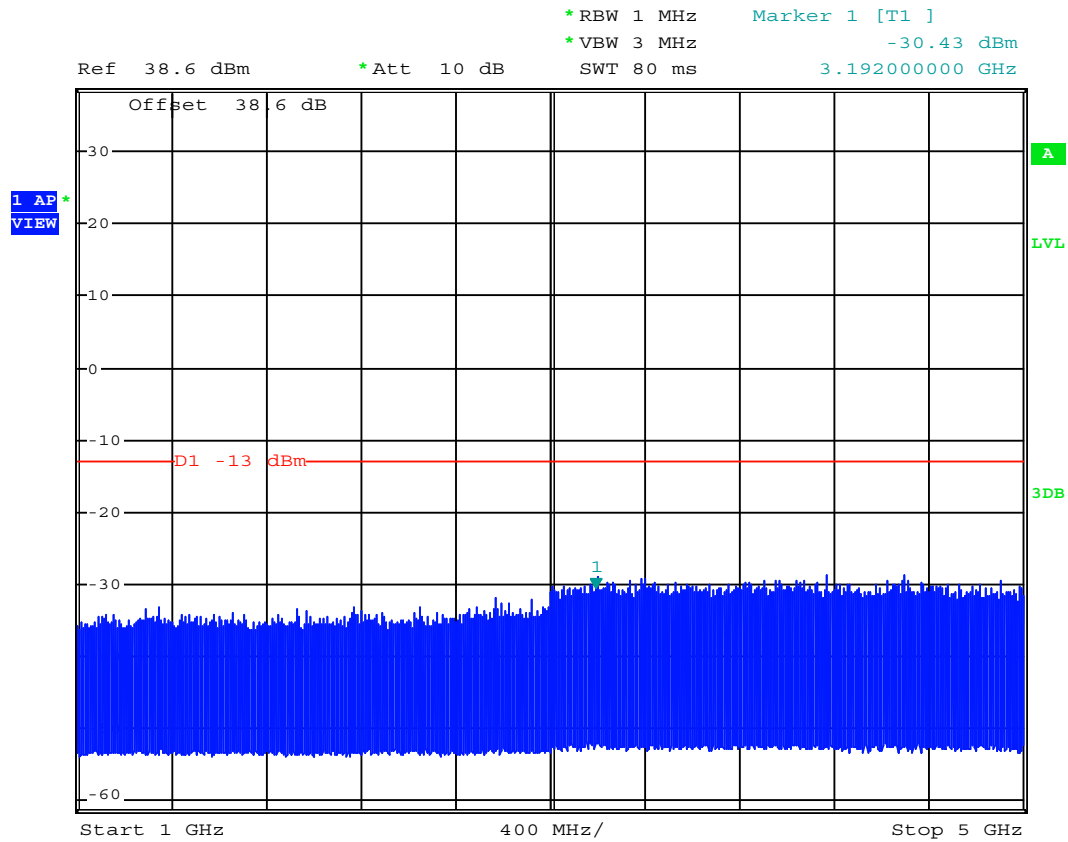
Date: 12.MAY.2026 11:22:44

8.5.23 Conducted Emissions Below 1GHz, 12.5 kHz Digital, 450.025 MHz, Mode 1



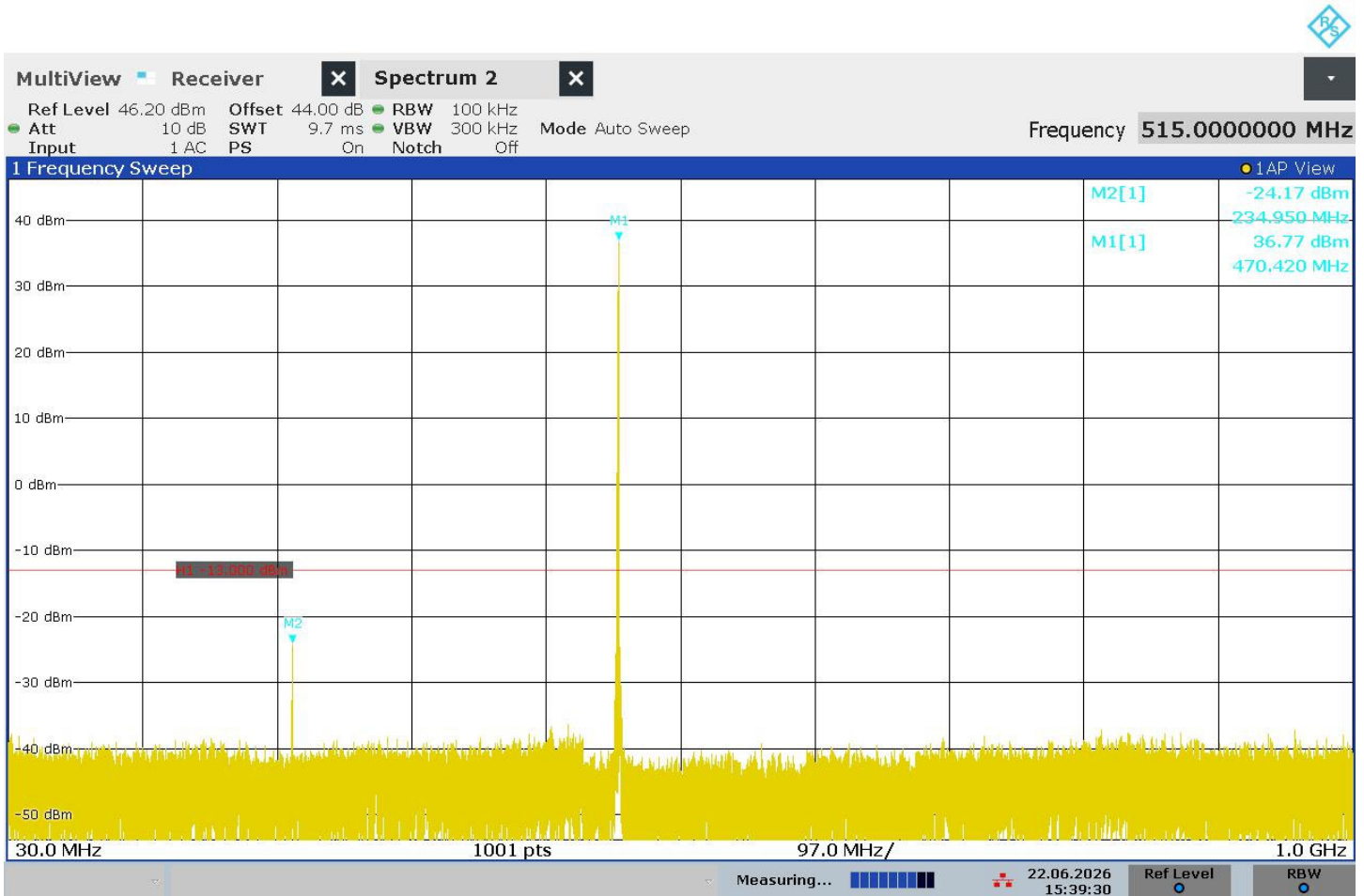
Date: 12.MAY.2026 10:29:51

8.5.24 Conducted Emissions Above 1GHz, 12.5 kHz Digital, 450.025 MHz, Mode 1



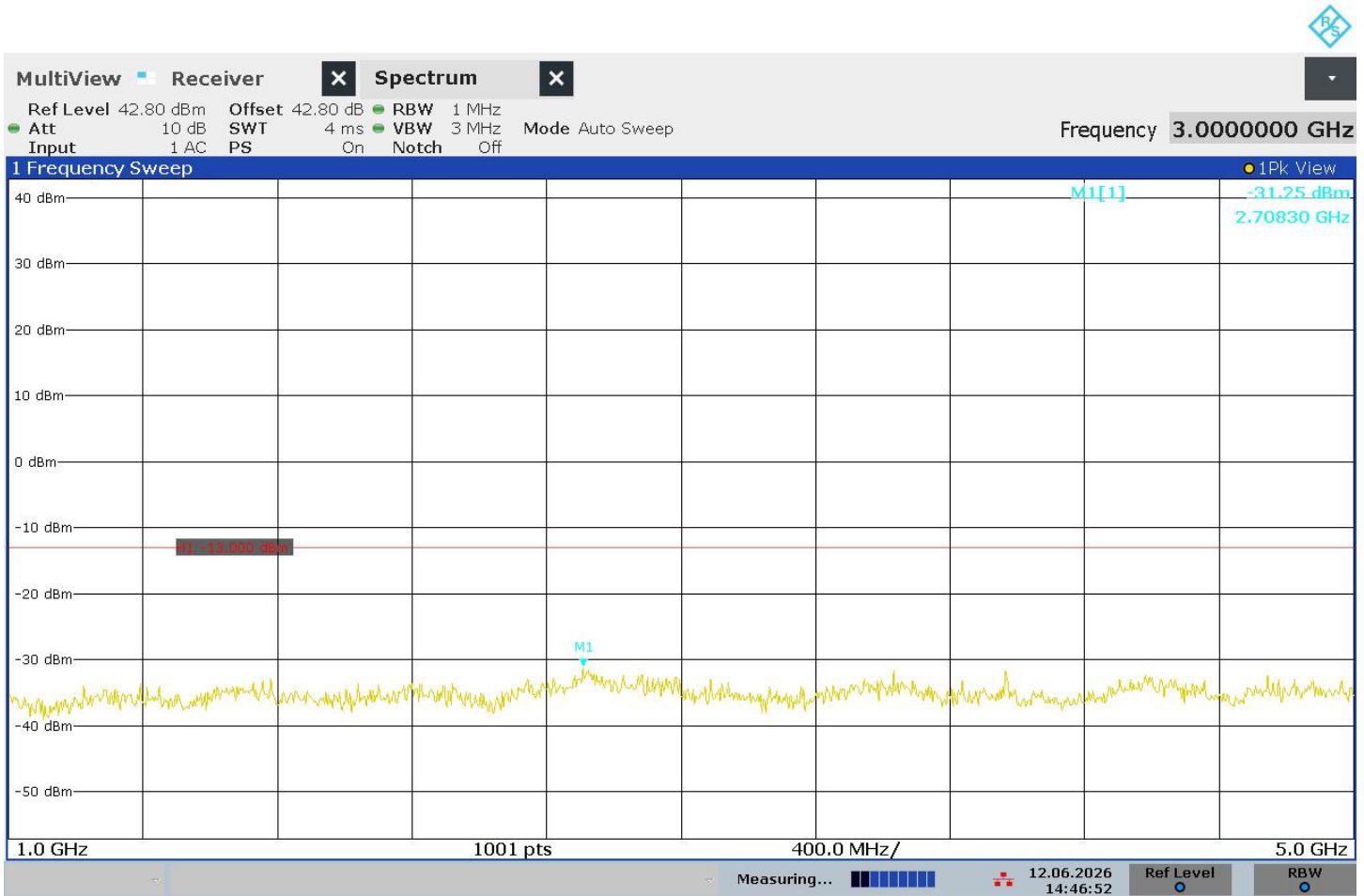
Date: 12.MAY.2026 11:28:36

8.5.25 Conducted Emissions, Below 1GHz, 12.5 kHz Analog, 469.9875 MHz, Mode 1



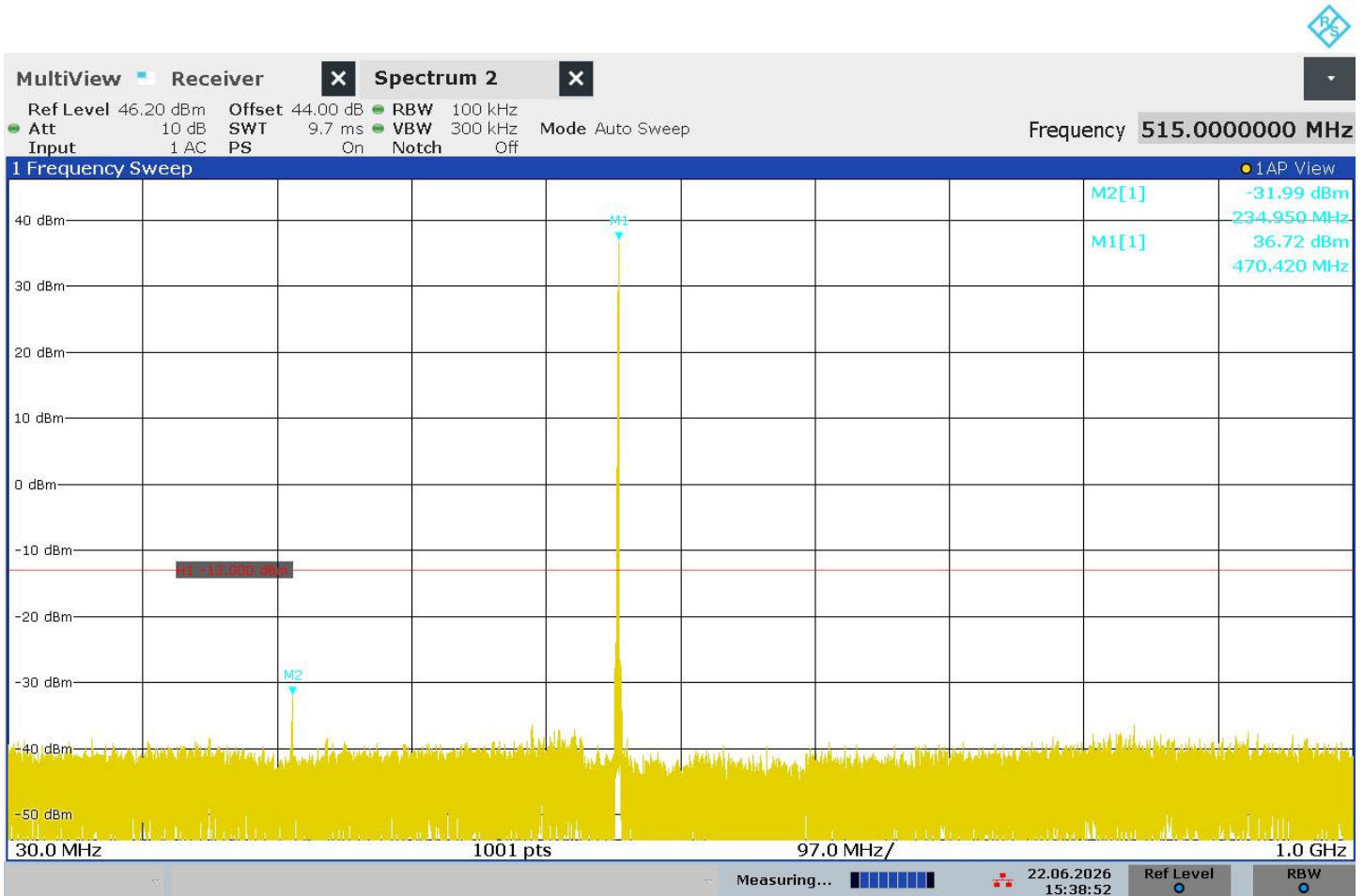
15:39:30 22.06.2026

8.5.26 Conducted Emissions, Above 1GHz, 12.5 kHz Analog, 469.9875 MHz, Mode 1



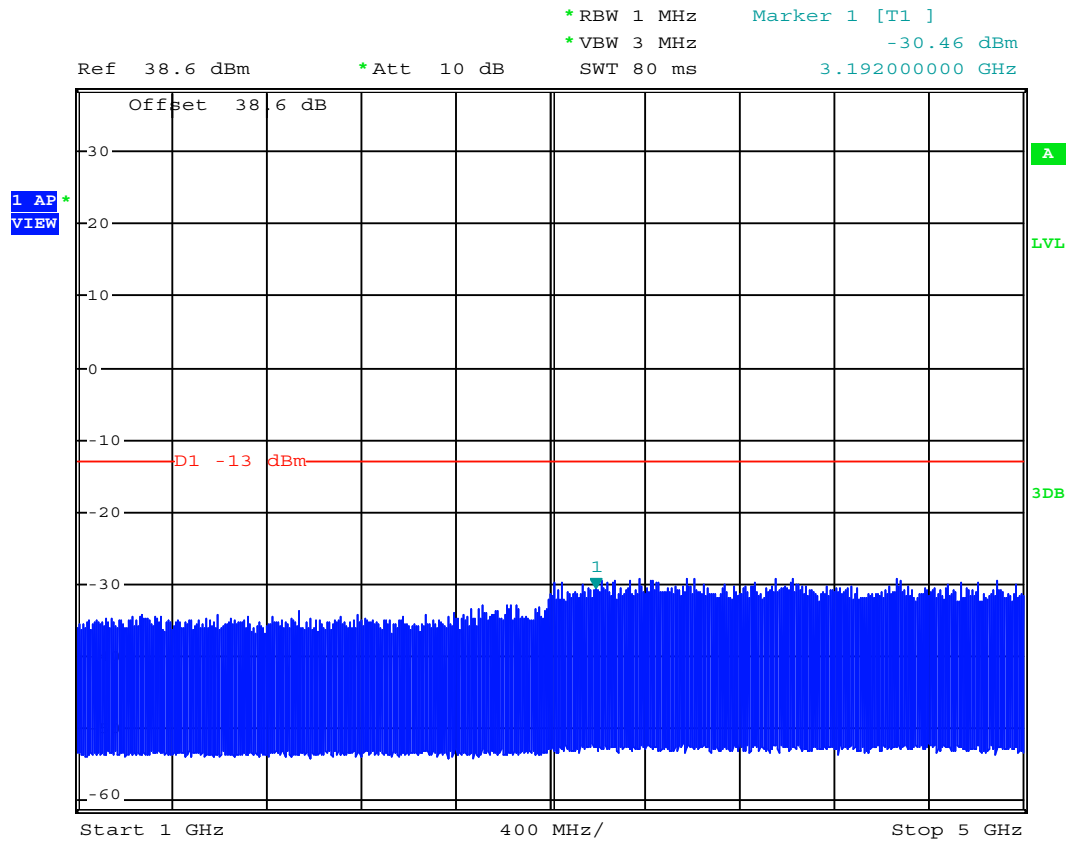
14:46:52 12.06.2026

8.5.27 Conducted Emissions Below 1GHz, 25 kHz Analog, 469.9875 MHz, Mode 1



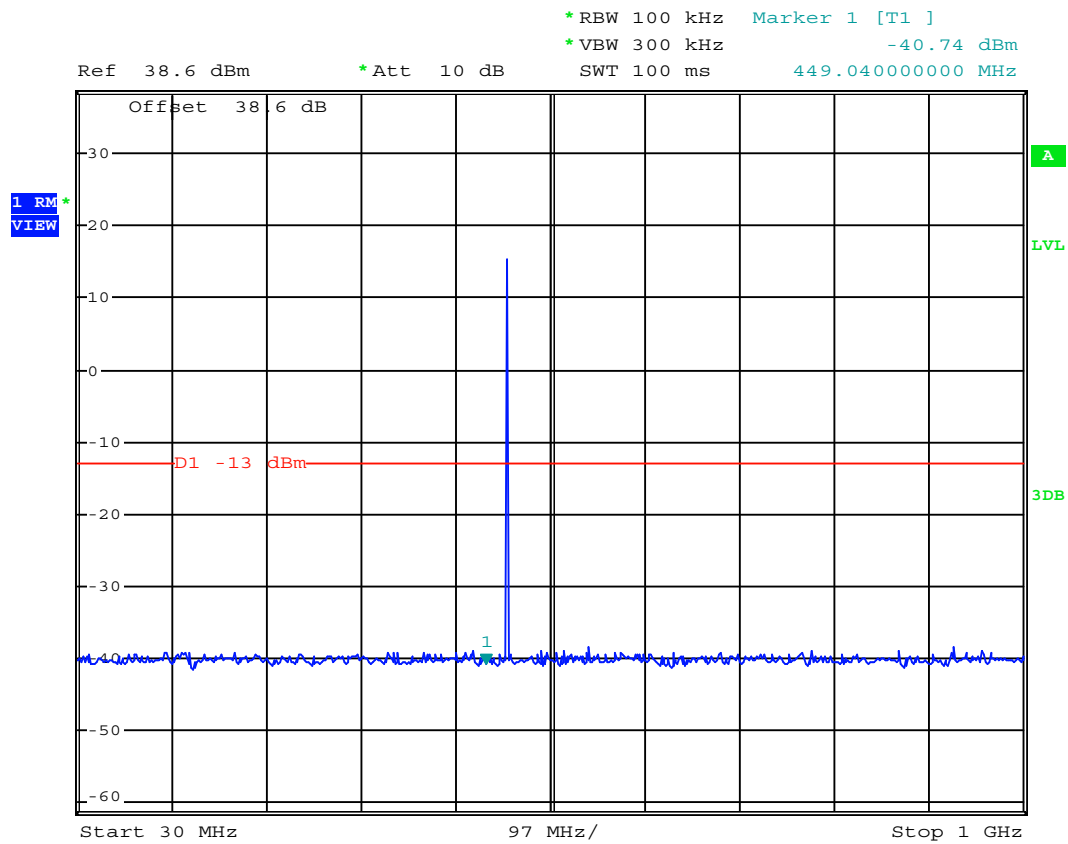
15:38:53 22.06.2026

8.5.28 Conducted Emissions Above 1GHz, 25 kHz Analog, 469.9875 MHz, Mode 1



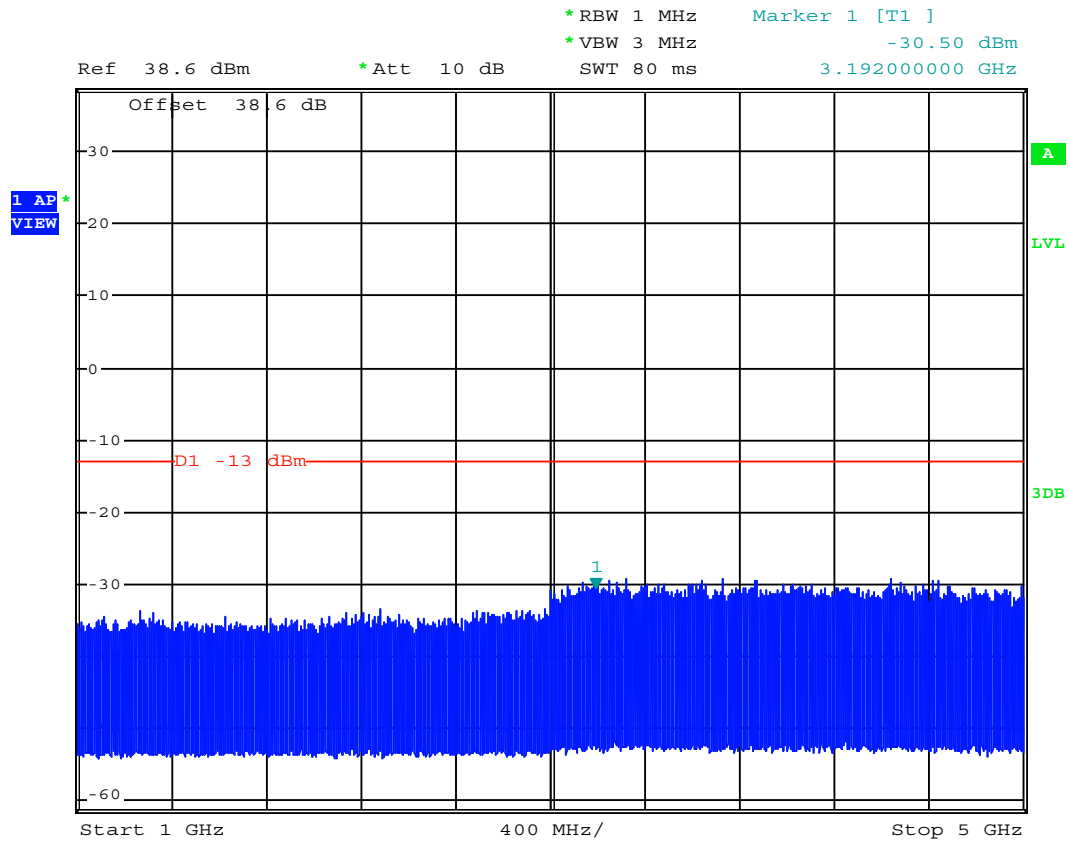
Date: 12.MAY.2026 11:22:55

8.5.29 Conducted Emissions Below 1GHz, 12.5 kHz Digital, 469.9875 MHz, Mode 1



Date: 12.MAY.2026 10:30:05

8.5.30 Conducted Emissions Above 1GHz, 12.5 kHz Digital, 469.9875 MHz, Mode 1

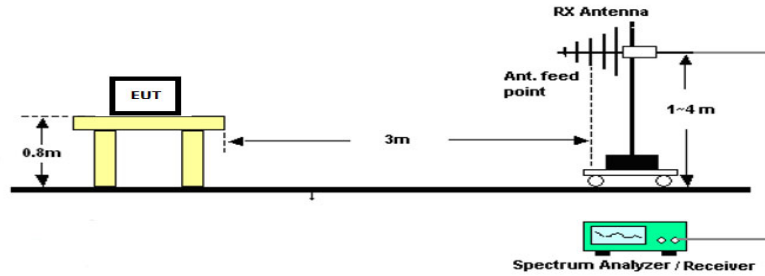


Date: 12.MAY.2026 11:28:46

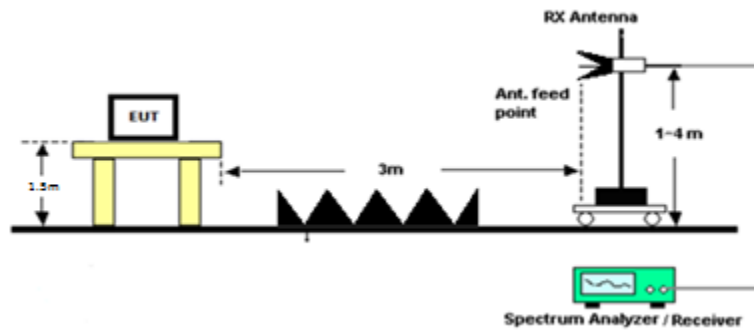
8.6 Radiated Emissions

Limits from FCC Parts 2.1053 and 90.210 (n); and test procedure from ANSI C63.26-2015.

Radiated Test Setup, 30 – 1000 MHz



Radiated Test Setup, Above 1000 MHz



Radiated Emissions, Tabular Data

8.6.1 Radiated Emissions, 12.5 kHz Analog, 403.025 MHz, Mode 1

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBuV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)		Noise Floor (dBm)
403.03	806.05	PK	29.38	H	-3.36	21.43	3.00	47.44	-49.93	-20.00	29.93	Harmonic	-53.66
403.03	806.05	PK	27.77	V	-3.36	21.43	3.00	45.83	-51.54	-20.00	31.54	Harmonic	-54.47
403.03	1209.08	PK	25.08	H	-4.03	28.23	3.00	49.28	-48.09	-20.00	28.09	Harmonic	-47.52
403.03	1209.08	PK	22.87	V	-4.03	28.23	3.00	47.07	-50.30	-20.00	30.30	Ambient	-50.30
403.03	1612.10	PK	21.61	H	-4.75	28.13	3.00	44.98	-52.39	-20.00	32.39	Harmonic	-51.92
403.03	1612.10	PK	20.16	V	-4.75	28.13	3.00	43.53	-53.84	-20.00	33.84	Harmonic	-57.27
403.03	2015.13	PK	20.16	H	-5.42	31.63	3.00	46.37	-51.01	-20.00	31.01	Harmonic	-54.34
403.03	2015.13	PK	18.29	V	-5.42	31.63	3.00	44.49	-52.88	-20.00	32.88	Harmonic	-52.33
403.03	2418.15	PK	19.34	H	-5.89	32.20	3.00	45.65	-51.72	-20.00	31.72	Harmonic	-55.55
403.03	2418.15	PK	18.87	V	-5.89	32.20	3.00	45.18	-52.19	-20.00	32.19	Harmonic	-55.72
403.03	2821.18	PK	21.55	H	-6.33	32.51	3.00	47.73	-49.64	-20.00	29.64	Ambient	-49.64
403.03	2821.18	PK	21.79	V	-6.33	32.51	3.00	47.97	-49.41	-20.00	29.41	Harmonic	-52.94
403.03	3224.20	PK	20.70	H	-6.79	32.74	3.00	46.65	-50.73	-20.00	30.73	Harmonic	-54.56
403.03	3224.20	PK	19.16	V	-6.79	32.74	3.00	45.10	-52.27	-20.00	32.27	Harmonic	-55.20
403.03	3627.23	PK	19.67	H	-7.16	33.15	3.00	45.66	-51.71	-20.00	31.71	Ambient	-51.71
403.03	3627.23	PK	21.63	V	-7.16	33.15	3.00	47.62	-49.76	-20.00	29.76	Ambient	-49.76
403.03	4030.25	PK	20.06	H	-7.59	33.38	3.00	45.86	-51.52	-20.00	31.52	Ambient	-51.52
403.03	4030.25	PK	20.32	V	-7.59	33.38	3.00	46.11	-51.27	-20.00	31.27	Ambient	-51.27

8.6.2 Radiated Emissions, 25 kHz Analog, 403.025 MHz, Mode 1

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBuV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)		Noise Floor (dBm)
403.03	806.05	PK	29.45	H	-3.36	21.43	3.00	47.51	-49.86	-13.00	36.86	Harmonic	-53.66
403.03	806.05	PK	28.64	V	-3.36	21.43	3.00	46.70	-50.67	-13.00	37.67	Harmonic	-54.47
403.03	1209.08	PK	29.45	H	-4.03	28.23	3.00	53.65	-43.72	-13.00	30.72	Harmonic	-47.52
403.03	1209.08	PK	26.44	V	-4.03	28.23	3.00	50.64	-46.73	-13.00	33.73	Harmonic	-50.53
403.03	1612.10	PK	25.88	H	-4.75	28.13	3.00	49.25	-48.12	-13.00	35.12	Harmonic	-51.92
403.03	1612.10	PK	20.53	V	-4.75	28.13	3.00	43.90	-53.47	-13.00	40.47	Harmonic	-57.27
403.03	2015.13	PK	20.63	H	-5.42	31.63	3.00	46.84	-50.54	-13.00	37.54	Harmonic	-54.34
403.03	2015.13	PK	19.36	V	-5.42	31.63	3.00	45.56	-51.81	-13.00	38.81	Harmonic	-55.61
403.03	2418.15	PK	19.31	H	-5.89	32.20	3.00	45.62	-51.75	-13.00	38.75	Harmonic	-55.55
403.03	2418.15	PK	19.14	V	-5.89	32.20	3.00	45.45	-51.92	-13.00	38.92	Harmonic	-55.72
403.03	2821.18	PK	22.22	H	-6.33	32.51	3.00	48.40	-48.97	-13.00	35.97	Harmonic	-52.77
403.03	2821.18	PK	22.06	V	-6.33	32.51	3.00	48.24	-49.14	-13.00	36.14	Harmonic	-52.94
403.03	3224.20	PK	20.67	H	-6.79	32.74	3.00	46.62	-50.76	-13.00	37.76	Harmonic	-54.56
403.03	3224.20	PK	20.03	V	-6.79	32.74	3.00	45.97	-51.40	-13.00	38.40	Harmonic	-55.20
403.03	3627.23	PK	19.24	H	-7.16	33.15	3.00	45.23	-52.14	-13.00	39.14	Ambient	-52.14
403.03	3627.23	PK	21.80	V	-7.16	33.15	3.00	47.79	-49.59	-13.00	36.59	Ambient	-49.59
403.03	4030.25	PK	19.83	H	-7.59	33.38	3.00	45.63	-51.75	-13.00	38.75	Ambient	-51.75
403.03	4030.25	PK	20.09	V	-7.59	33.38	3.00	45.88	-51.50	-13.00	38.50	Ambient	-51.50

8.6.3 Radiated Emissions, 12.5 kHz Digital, 403.025 MHz, Mode 1

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBuV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)		Noise Floor (dBm)
403.03	806.10	PK	34.12	H	-3.36	21.43	3.00	52.18	-45.19	-20.00	25.19	Harmonic	-53.66
403.03	806.10	PK	28.88	V	-3.36	21.43	3.00	46.94	-50.43	-20.00	30.43	Harmonic	-54.47
403.03	1209.15	PK	28.12	H	-4.03	28.23	3.00	52.33	-45.05	-20.00	25.05	Harmonic	-47.09
403.03	1209.15	PK	19.50	V	-4.03	28.23	3.00	43.71	-53.67	-20.00	33.67	Harmonic	-43.53
403.03	1612.20	PK	16.38	H	-4.75	28.13	3.00	39.76	-57.62	-20.00	37.62	Harmonic	-51.92
403.03	1612.20	PK	21.68	V	-4.75	28.13	3.00	45.06	-52.32	-20.00	32.32	Harmonic	-57.27
403.03	2015.25	PK	23.03	H	-5.42	31.63	3.00	49.24	-48.14	-20.00	28.14	Harmonic	-54.34
403.03	2015.25	PK	18.43	V	-5.42	31.63	3.00	44.64	-52.74	-20.00	32.74	Harmonic	-47.77
403.03	2418.30	PK	20.74	H	-5.89	32.20	3.00	47.06	-50.32	-20.00	30.32	Harmonic	-55.55
403.03	2418.30	PK	24.91	V	-5.89	32.20	3.00	51.22	-46.16	-20.00	26.16	Harmonic	-55.72
403.03	2821.35	PK	23.06	H	-6.33	32.51	3.00	49.24	-48.14	-20.00	28.14	Ambient	-48.14
403.03	2821.35	PK	23.94	V	-6.33	32.51	3.00	50.12	-47.26	-20.00	27.26	Harmonic	-52.94
403.03	3224.40	PK	18.27	H	-6.79	32.74	3.00	44.21	-53.16	-20.00	33.16	Harmonic	-54.56
403.03	3224.40	PK	18.97	V	-6.79	32.74	3.00	44.92	-52.46	-20.00	32.46	Harmonic	-55.20
403.03	3627.45	PK	19.21	H	-7.16	33.15	3.00	45.20	-52.18	-20.00	32.18	Ambient	-52.18
403.03	3627.45	PK	27.81	V	-7.16	33.15	3.00	53.81	-43.57	-20.00	23.57	Ambient	-43.57
403.03	4030.50	PK	19.19	H	-7.59	33.38	3.00	44.98	-52.39	-20.00	32.39	Ambient	-52.39
403.03	4030.50	PK	18.60	V	-7.59	33.38	3.00	44.39	-52.99	-20.00	32.99	Ambient	-52.99

8.6.4 Radiated Emissions, 12.5 kHz Analog, 406.2 MHz, Mode 1

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBμV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)		Noise Floor (dBm)
406.20	812.40	PK	29.01	H	-3.38	21.56	3.00	47.19	-50.19	-20.00	30.19	Harmonic	-53.66
406.20	812.40	PK	25.00	V	-3.38	21.56	3.00	43.18	-54.20	-20.00	34.20	Harmonic	-54.47
406.20	1218.60	PK	27.31	H	-4.05	28.37	3.00	51.63	-45.75	-20.00	25.75	Harmonic	-47.52
406.20	1218.60	PK	23.30	V	-4.05	28.37	3.00	47.62	-49.76	-20.00	29.76	Ambient	-49.76
406.20	1624.80	PK	16.24	H	-4.75	28.27	3.00	39.76	-57.62	-20.00	37.62	Harmonic	-51.92
406.20	1624.80	PK	19.99	V	-4.75	28.27	3.00	43.51	-53.87	-20.00	33.87	Harmonic	-57.27
406.20	2031.00	PK	21.20	H	-5.44	31.57	3.00	47.33	-50.04	-20.00	30.04	Harmonic	-54.34
406.20	2031.00	PK	18.92	V	-5.44	31.57	3.00	45.05	-52.32	-20.00	32.32	Harmonic	-52.33
406.20	2437.20	PK	18.57	H	-5.91	32.37	3.00	45.03	-52.34	-20.00	32.34	Harmonic	-55.55
406.20	2437.20	PK	20.10	V	-5.91	32.37	3.00	46.57	-50.81	-20.00	30.81	Harmonic	-55.72
406.20	2843.40	PK	21.68	H	-6.36	32.36	3.00	47.69	-49.69	-20.00	29.69	Harmonic	-49.26
406.20	2843.40	PK	21.82	V	-6.36	32.36	3.00	47.83	-49.55	-20.00	29.55	Ambient	-49.55
406.20	3249.60	PK	19.53	H	-6.81	32.78	3.00	45.50	-51.87	-20.00	31.87	Harmonic	-54.56
406.20	3249.60	PK	20.09	V	-6.81	32.78	3.00	46.06	-51.32	-20.00	31.32	Harmonic	-55.20
406.20	3655.80	PK	19.00	H	-7.18	33.21	3.00	45.03	-52.35	-20.00	32.35	Ambient	-52.35
406.20	3655.80	PK	21.86	V	-7.18	33.21	3.00	47.88	-49.49	-20.00	29.49	Ambient	-49.49
406.20	4062.00	PK	20.00	H	-7.62	33.42	3.00	45.80	-51.57	-20.00	31.57	Ambient	-51.57
406.20	4062.00	PK	19.85	V	-7.62	33.42	3.00	45.66	-51.72	-20.00	31.72	Ambient	-51.72

8.6.5 Radiated Emissions, 25 kHz Analog, 406.2 MHz, Mode 1

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBuV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)		Noise Floor (dBm)
406.20	812.40	PK	33.35	H	-3.38	21.56	3.00	51.53	-45.85	-13.00	32.85	Harmonic	-53.66
406.20	812.40	PK	28.72	V	-3.38	21.56	3.00	46.90	-50.48	-13.00	37.48	Harmonic	-54.47
406.20	1218.60	PK	28.45	H	-4.05	28.37	3.00	52.76	-44.61	-13.00	31.61	Harmonic	-47.52
406.20	1218.60	PK	21.94	V	-4.05	28.37	3.00	46.25	-51.12	-13.00	38.12	Ambient	-51.12
406.20	1624.80	PK	20.08	H	-4.75	28.27	3.00	43.60	-53.78	-13.00	40.78	Harmonic	-51.92
406.20	1624.80	PK	21.23	V	-4.75	28.27	3.00	44.75	-52.63	-13.00	39.63	Harmonic	-57.27
406.20	2031.00	PK	22.53	H	-5.44	31.57	3.00	48.67	-48.71	-13.00	35.71	Harmonic	-54.34
406.20	2031.00	PK	20.16	V	-5.44	31.57	3.00	46.29	-51.08	-13.00	38.08	Ambient	-55.61
406.20	2437.20	PK	22.51	H	-5.91	32.37	3.00	48.97	-48.41	-13.00	35.41	Harmonic	-55.55
406.20	2437.20	PK	26.54	V	-5.91	32.37	3.00	53.00	-44.37	-13.00	31.37	Harmonic	-55.72
406.20	2843.40	PK	22.42	H	-6.36	32.36	3.00	48.43	-48.95	-13.00	35.95	Harmonic	-52.77
406.20	2843.40	PK	23.26	V	-6.36	32.36	3.00	49.26	-48.11	-13.00	35.11	Harmonic	-52.94
406.20	3249.60	PK	20.17	H	-6.81	32.78	3.00	46.14	-51.24	-13.00	38.24	Harmonic	-54.56
406.20	3249.60	PK	20.93	V	-6.81	32.78	3.00	46.89	-50.48	-13.00	37.48	Harmonic	-55.20
406.20	3655.80	PK	20.84	H	-7.18	33.21	3.00	46.87	-50.51	-13.00	37.51	Ambient	-50.51
406.20	3655.80	PK	27.00	V	-7.18	33.21	3.00	53.02	-44.36	-13.00	31.36	Ambient	-44.36
406.20	4062.00	PK	21.23	H	-7.62	33.42	3.00	47.04	-50.34	-13.00	37.34	Ambient	-50.34
406.20	4062.00	PK	20.69	V	-7.62	33.42	3.00	46.49	-50.88	-13.00	37.88	Ambient	-50.88

8.6.6 Radiated Emissions, 12.5 kHz Digital, 406.2 MHz, Mode 1

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBμV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)		Noise Floor (dBm)
406.20	812.40	PK	35.43	H	-3.38	21.56	3.00	53.61	-43.77	-20.00	23.77	Harmonic	-53.66
406.20	812.40	PK	30.19	V	-3.38	21.56	3.00	48.37	-49.01	-20.00	29.01	Harmonic	-54.47
406.20	1218.60	PK	29.43	H	-4.05	28.37	3.00	53.75	-43.63	-20.00	23.63	Harmonic	-47.09
406.20	1218.60	PK	20.81	V	-4.05	28.37	3.00	45.13	-52.25	-20.00	32.25	Harmonic	-43.53
406.20	1624.80	PK	17.69	H	-4.75	28.27	3.00	41.21	-56.17	-20.00	36.17	Harmonic	-51.92
406.20	1624.80	PK	22.99	V	-4.75	28.27	3.00	46.51	-50.87	-20.00	30.87	Harmonic	-57.27
406.20	2031.00	PK	24.34	H	-5.44	31.57	3.00	50.48	-46.90	-20.00	26.90	Harmonic	-54.34
406.20	2031.00	PK	19.75	V	-5.44	31.57	3.00	45.88	-51.49	-20.00	31.49	Harmonic	-47.77
406.20	2437.20	PK	22.05	H	-5.91	32.37	3.00	48.52	-48.86	-20.00	28.86	Harmonic	-55.55
406.20	2437.20	PK	26.22	V	-5.91	32.37	3.00	52.68	-44.70	-20.00	24.70	Harmonic	-55.72
406.20	2843.40	PK	24.37	H	-6.36	32.36	3.00	50.37	-47.00	-20.00	27.00	Ambient	-47.00
406.20	2843.40	PK	25.25	V	-6.36	32.36	3.00	51.26	-46.12	-20.00	26.12	Harmonic	-52.94
406.20	3249.60	PK	19.58	H	-6.81	32.78	3.00	45.55	-51.83	-20.00	31.83	Harmonic	-54.56
406.20	3249.60	PK	20.29	V	-6.81	32.78	3.00	46.25	-51.12	-20.00	31.12	Harmonic	-55.20
406.20	3655.80	PK	20.52	H	-7.18	33.21	3.00	46.54	-50.83	-20.00	30.83	Ambient	-50.83
406.20	3655.80	PK	29.13	V	-7.18	33.21	3.00	55.15	-42.23	-20.00	22.23	Ambient	-42.23
406.20	4062.00	PK	20.50	H	-7.62	33.42	3.00	46.31	-51.07	-20.00	31.07	Ambient	-51.07
406.20	4062.00	PK	19.91	V	-7.62	33.42	3.00	45.72	-51.66	-20.00	31.66	Ambient	-51.66

8.6.7 Radiated Emissions, 12.5 kHz Analog, 429.9875 MHz, Mode 1

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBμV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)		Noise Floor (dBm)
429.99	859.98	PK	30.74	H	-3.49	22.22	3.00	49.47	-47.91	-20.00	27.91	Harmonic	-53.66
429.99	859.98	PK	28.52	V	-3.49	22.22	3.00	47.25	-50.13	-20.00	30.13	Harmonic	-54.47
429.99	1289.96	PK	25.34	H	-4.25	29.20	3.00	50.28	-47.09	-20.00	27.09	Ambient	-47.09
429.99	1289.96	PK	21.02	V	-4.25	29.20	3.00	45.96	-51.41	-20.00	31.41	Harmonic	-50.53
429.99	1719.95	PK	18.50	H	-4.79	29.51	3.00	43.21	-54.16	-20.00	34.16	Harmonic	-51.92
429.99	1719.95	PK	21.20	V	-4.79	29.51	3.00	45.91	-51.46	-20.00	31.46	Harmonic	-57.27
429.99	2149.94	PK	21.25	H	-5.57	31.37	3.00	47.04	-50.33	-20.00	30.33	Harmonic	-54.34
429.99	2149.94	PK	17.15	V	-5.57	31.37	3.00	42.95	-54.43	-20.00	34.43	Ambient	-54.43
429.99	2579.93	PK	18.16	H	-6.07	32.57	3.00	44.67	-52.71	-20.00	32.71	Harmonic	-55.55
429.99	2579.93	PK	17.83	V	-6.07	32.57	3.00	44.33	-53.05	-20.00	33.05	Harmonic	-55.72
429.99	3009.91	PK	22.78	H	-6.53	32.76	3.00	49.00	-48.38	-20.00	28.38	Harmonic	-49.26
429.99	3009.91	PK	23.06	V	-6.53	32.76	3.00	49.28	-48.09	-20.00	28.09	Harmonic	-52.94
429.99	3439.90	PK	19.39	H	-6.99	32.57	3.00	44.96	-52.42	-20.00	32.42	Harmonic	-54.56
429.99	3439.90	PK	17.79	V	-6.99	32.57	3.00	43.37	-54.01	-20.00	34.01	Harmonic	-55.20
429.99	3869.89	PK	18.63	H	-7.44	33.47	3.00	44.66	-52.72	-20.00	32.72	Ambient	-52.72
429.99	3869.89	PK	23.03	V	-7.44	33.47	3.00	49.07	-48.31	-20.00	28.31	Ambient	-48.31
429.99	4299.88	PK	18.61	H	-7.83	33.51	3.00	44.29	-53.09	-20.00	33.09	Ambient	-53.09
429.99	4299.88	PK	18.82	V	-7.83	33.51	3.00	44.50	-52.88	-20.00	32.88	Ambient	-52.88

8.6.8 Radiated Emissions, 25 kHz Analog, 429.9875 MHz, Mode 1

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBuV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)		Noise Floor (dBm)
429.99	859.98	PK	29.44	H	-3.49	22.22	3.00	48.17	-49.21	-13.00	36.21	Harmonic	-53.66
429.99	859.98	PK	24.82	V	-3.49	22.22	3.00	43.55	-53.83	-13.00	40.83	Harmonic	-54.47
429.99	1289.96	PK	26.12	H	-4.25	29.20	3.00	51.07	-46.31	-13.00	33.31	Ambient	-46.31
429.99	1289.96	PK	24.22	V	-4.25	29.20	3.00	49.17	-48.21	-13.00	35.21	Harmonic	-50.53
429.99	1719.95	PK	14.20	H	-4.79	29.51	3.00	38.92	-58.46	-13.00	45.46	Harmonic	-51.92
429.99	1719.95	PK	20.10	V	-4.79	29.51	3.00	44.82	-52.56	-13.00	39.56	Harmonic	-57.27
429.99	2149.94	PK	21.35	H	-5.57	31.37	3.00	47.15	-50.23	-13.00	37.23	Harmonic	-54.34
429.99	2149.94	PK	19.12	V	-5.57	31.37	3.00	44.91	-52.46	-13.00	39.46	Harmonic	-55.61
429.99	2579.93	PK	18.82	H	-6.07	32.57	3.00	45.32	-52.05	-13.00	39.05	Harmonic	-55.55
429.99	2579.93	PK	20.13	V	-6.07	32.57	3.00	46.63	-50.75	-13.00	37.75	Ambient	-50.75
429.99	3009.91	PK	21.98	H	-6.53	32.76	3.00	48.20	-49.17	-13.00	36.17	Harmonic	-52.77
429.99	3009.91	PK	22.16	V	-6.53	32.76	3.00	48.38	-48.99	-13.00	35.99	Harmonic	-52.94
429.99	3439.90	PK	19.92	H	-6.99	32.57	3.00	45.50	-51.88	-13.00	38.88	Harmonic	-54.56
429.99	3439.90	PK	19.80	V	-6.99	32.57	3.00	45.37	-52.01	-13.00	39.01	Harmonic	-55.20
429.99	3869.89	PK	19.12	H	-7.44	33.47	3.00	45.16	-52.22	-13.00	39.22	Ambient	-52.22
429.99	3869.89	PK	22.34	V	-7.44	33.47	3.00	48.37	-49.01	-13.00	36.01	Ambient	-49.01
429.99	4299.88	PK	19.61	H	-7.83	33.51	3.00	45.29	-52.09	-13.00	39.09	Ambient	-52.09
429.99	4299.88	PK	19.42	V	-7.83	33.51	3.00	45.10	-52.28	-13.00	39.28	Ambient	-52.28

8.6.9 Radiated Emissions, 12.5 kHz Digital, 429.9875 MHz, Mode 1

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBuV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)		Noise Floor (dBm)
429.99	859.98	PK	34.90	H	-3.49	22.22	3.00	53.63	-43.75	-20.00	23.75	Harmonic	-54.47
429.99	859.98	PK	29.66	V	-3.49	22.22	3.00	48.39	-48.99	-20.00	28.99	Harmonic	-47.09
429.99	1289.96	PK	28.90	H	-4.25	29.20	3.00	53.85	-43.53	-20.00	23.53	Ambient	-43.53
429.99	1289.96	PK	20.28	V	-4.25	29.20	3.00	45.23	-52.15	-20.00	32.15	Harmonic	-51.92
429.99	1719.95	PK	17.16	H	-4.79	29.51	3.00	41.88	-55.50	-20.00	35.50	Harmonic	-57.27
429.99	1719.95	PK	22.46	V	-4.79	29.51	3.00	47.18	-50.20	-20.00	30.20	Harmonic	-54.34
429.99	2149.94	PK	23.81	H	-5.57	31.37	3.00	49.61	-47.77	-20.00	27.77	Ambient	-47.77
429.99	2149.94	PK	19.22	V	-5.57	31.37	3.00	45.01	-52.37	-20.00	32.37	Harmonic	-55.55
429.99	2579.93	PK	21.52	H	-6.07	32.57	3.00	48.03	-49.35	-20.00	29.35	Harmonic	-55.72
429.99	2579.93	PK	25.69	V	-6.07	32.57	3.00	52.19	-45.19	-20.00	25.19	Harmonic	-49.26
429.99	3009.91	PK	23.84	H	-6.53	32.76	3.00	50.06	-47.31	-20.00	27.31	Harmonic	-52.94
429.99	3009.91	PK	24.72	V	-6.53	32.76	3.00	50.94	-46.43	-20.00	26.43	Harmonic	-54.56
429.99	3439.90	PK	19.05	H	-6.99	32.57	3.00	44.62	-52.75	-20.00	32.75	Harmonic	-55.20
429.99	3439.90	PK	19.76	V	-6.99	32.57	3.00	45.33	-52.05	-20.00	32.05	Ambient	-52.05
429.99	3869.89	PK	19.99	H	-7.44	33.47	3.00	46.02	-51.35	-20.00	31.35	Ambient	-51.35
429.99	3869.89	PK	28.60	V	-7.44	33.47	3.00	54.63	-42.75	-20.00	22.75	Ambient	-42.75
429.99	4299.88	PK	19.97	H	-7.83	33.51	3.00	45.65	-51.73	-20.00	31.73	Ambient	-51.73
429.99	4299.88	PK	19.38	V	-7.83	33.51	3.00	45.06	-52.32	-20.00	32.32	Ambient	-52.32

8.6.10 Radiated Emissions, 12.5 kHz Analog, 450.025 MHz, Mode 1

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBμV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)		Noise Floor (dBm)
450.03	900.05	PK	29.81	H	-3.54	22.55	3.00	48.82	-48.56	-20.00	28.56	Harmonic	-54.47
450.03	900.05	PK	27.59	V	-3.54	22.55	3.00	46.60	-50.78	-20.00	30.78	Harmonic	-47.09
450.03	1350.08	PK	26.41	H	-4.32	28.76	3.00	50.85	-46.53	-20.00	26.53	Harmonic	-43.53
450.03	1350.08	PK	22.09	V	-4.32	28.76	3.00	46.53	-50.85	-20.00	30.85	Harmonic	-51.92
450.03	1800.10	PK	19.57	H	-5.11	30.45	3.00	44.91	-52.47	-20.00	32.47	Harmonic	-57.27
450.03	1800.10	PK	20.27	V	-5.11	30.45	3.00	45.61	-51.77	-20.00	31.77	Harmonic	-54.34
450.03	2250.13	PK	20.32	H	-5.69	31.88	3.00	46.51	-50.86	-20.00	30.86	Ambient	-50.86
450.03	2250.13	PK	18.22	V	-5.69	31.88	3.00	44.42	-52.96	-20.00	32.96	Harmonic	-55.55
450.03	2700.15	PK	19.23	H	-6.19	32.47	3.00	45.51	-51.86	-20.00	31.86	Harmonic	-55.72
450.03	2700.15	PK	18.90	V	-6.19	32.47	3.00	45.18	-52.20	-20.00	32.20	Ambient	-52.20
450.03	3150.18	PK	21.85	H	-6.72	32.85	3.00	47.98	-49.39	-20.00	29.39	Harmonic	-52.94
450.03	3150.18	PK	22.13	V	-6.72	32.85	3.00	48.27	-49.11	-20.00	29.11	Harmonic	-54.56
450.03	3600.20	PK	20.46	H	-7.14	33.08	3.00	46.40	-50.98	-20.00	30.98	Harmonic	-55.20
450.03	3600.20	PK	18.86	V	-7.14	33.08	3.00	44.81	-52.57	-20.00	32.57	Ambient	-52.57
450.03	4050.23	PK	19.70	H	-7.61	33.38	3.00	45.47	-51.91	-20.00	31.91	Ambient	-51.91
450.03	4050.23	PK	22.10	V	-7.61	33.38	3.00	47.88	-49.50	-20.00	29.50	Ambient	-49.50
450.03	4500.25	PK	19.68	H	-8.05	33.87	3.00	45.50	-51.88	-20.00	31.88	Ambient	-51.88
450.03	4500.25	PK	19.89	V	-8.05	33.87	3.00	45.70	-51.67	-20.00	31.67	Ambient	-51.67

8.6.11 Radiated Emissions, 25 kHz Analog, 450.025 MHz, Mode 1

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBμV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)		Noise Floor (dBm)
450.03	900.05	PK	29.44	H	-3.54	22.55	3.00	48.45	-48.93	-13.00	35.93	Harmonic	-53.66
450.03	900.05	PK	24.82	V	-3.54	22.55	3.00	43.83	-53.55	-13.00	40.55	Harmonic	-54.47
450.03	1350.08	PK	28.64	H	-4.32	28.76	3.00	53.08	-44.29	-13.00	31.29	Harmonic	-47.52
450.03	1350.08	PK	22.52	V	-4.32	28.76	3.00	46.96	-50.41	-13.00	37.41	Harmonic	-50.53
450.03	1800.10	PK	14.20	H	-5.11	30.45	3.00	39.54	-57.83	-13.00	44.83	Harmonic	-51.92
450.03	1800.10	PK	20.10	V	-5.11	30.45	3.00	45.44	-51.93	-13.00	38.93	Harmonic	-57.27
450.03	2250.13	PK	21.35	H	-5.69	31.88	3.00	47.54	-49.83	-13.00	36.83	Harmonic	-54.34
450.03	2250.13	PK	18.86	V	-5.69	31.88	3.00	45.05	-52.33	-13.00	39.33	Ambient	-52.33
450.03	2700.15	PK	18.46	H	-6.19	32.47	3.00	44.75	-52.63	-13.00	39.63	Harmonic	-55.55
450.03	2700.15	PK	20.13	V	-6.19	32.47	3.00	46.41	-50.97	-13.00	37.97	Harmonic	-55.72
450.03	3150.18	PK	21.98	H	-6.72	32.85	3.00	48.12	-49.26	-13.00	36.26	Ambient	-49.26
450.03	3150.18	PK	22.16	V	-6.72	32.85	3.00	48.30	-49.08	-13.00	36.08	Harmonic	-52.94
450.03	3600.20	PK	19.29	H	-7.14	33.08	3.00	45.23	-52.15	-13.00	39.15	Harmonic	-54.56
450.03	3600.20	PK	19.80	V	-7.14	33.08	3.00	45.74	-51.64	-13.00	38.64	Harmonic	-55.20
450.03	4050.23	PK	19.03	H	-7.61	33.38	3.00	44.80	-52.58	-13.00	39.58	Ambient	-52.58
450.03	4050.23	PK	22.34	V	-7.61	33.38	3.00	48.11	-49.27	-13.00	36.27	Ambient	-49.27
450.03	4500.25	PK	19.61	H	-8.05	33.87	3.00	45.43	-51.95	-13.00	38.95	Ambient	-51.95
450.03	4500.25	PK	19.42	V	-8.05	33.87	3.00	45.24	-52.14	-13.00	39.14	Ambient	-52.14

8.6.12 Radiated Emissions, 12.5 kHz Digital, 450.025 MHz, Mode 1

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBuV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)		Noise Floor (dBm)
450.03	900.05	PK	29.22	H	-3.54	22.55	3.00	48.23	-49.15	-20.00	29.15	Harmonic	-53.66
450.03	900.05	PK	27.61	V	-3.54	22.55	3.00	46.62	-50.76	-20.00	30.76	Harmonic	-54.47
450.03	1350.08	PK	24.92	H	-4.32	28.76	3.00	49.36	-48.02	-20.00	28.02	Harmonic	-47.09
450.03	1350.08	PK	22.71	V	-4.32	28.76	3.00	47.15	-50.23	-20.00	30.23	Harmonic	-50.53
450.03	1800.10	PK	17.13	H	-5.11	30.45	3.00	42.47	-54.91	-20.00	34.91	Harmonic	-51.92
450.03	1800.10	PK	18.13	V	-5.11	30.45	3.00	43.48	-53.90	-20.00	33.90	Harmonic	-57.27
450.03	2250.13	PK	17.80	H	-5.69	31.88	3.00	43.99	-53.39	-20.00	33.39	Harmonic	-54.34
450.03	2250.13	PK	22.76	V	-5.69	31.88	3.00	48.95	-48.43	-20.00	28.43	Harmonic	-54.43
450.03	2700.15	PK	23.03	H	-6.19	32.47	3.00	49.31	-48.07	-20.00	28.07	Harmonic	-55.55
450.03	2700.15	PK	19.36	V	-6.19	32.47	3.00	45.64	-51.74	-20.00	31.74	Harmonic	-55.72
450.03	3150.18	PK	21.39	H	-6.72	32.85	3.00	47.53	-49.85	-20.00	29.85	Harmonic	-49.26
450.03	3150.18	PK	21.63	V	-6.72	32.85	3.00	47.77	-49.61	-20.00	29.61	Harmonic	-52.94
450.03	3600.20	PK	20.54	H	-7.14	33.08	3.00	46.48	-50.89	-20.00	30.89	Harmonic	-54.56
450.03	3600.20	PK	19.00	V	-7.14	33.08	3.00	44.94	-52.44	-20.00	32.44	Harmonic	-55.20
450.03	4050.23	PK	19.51	H	-7.61	33.38	3.00	45.28	-52.09	-20.00	32.09	Ambient	-52.09
450.03	4050.23	PK	21.47	V	-7.61	33.38	3.00	47.24	-50.14	-20.00	30.14	Ambient	-50.14
450.03	4500.25	PK	19.90	H	-8.05	33.87	3.00	45.72	-51.66	-20.00	31.66	Ambient	-51.66
450.03	4500.25	PK	20.16	V	-8.05	33.87	3.00	45.97	-51.40	-20.00	31.40	Ambient	-51.40

8.6.13 Radiated Emissions, 12.5 kHz Analog, 469.9875 MHz, Mode 1

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBμV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)		Noise Floor (dBm)
469.99	939.98	PK	30.35	H	-3.59	23.47	3.00	50.23	-47.15	-20.00	27.15	Harmonic	-53.66
469.99	939.98	PK	28.13	V	-3.59	23.47	3.00	48.01	-49.37	-20.00	29.37	Harmonic	-54.47
469.99	1409.96	PK	24.95	H	-4.38	27.95	3.00	48.52	-48.86	-20.00	28.86	Harmonic	-47.09
469.99	1409.96	PK	20.63	V	-4.38	27.95	3.00	44.20	-53.18	-20.00	33.18	Harmonic	-43.53
469.99	1879.95	PK	18.11	H	-5.11	31.37	3.00	44.37	-53.01	-20.00	33.01	Harmonic	-51.92
469.99	1879.95	PK	20.81	V	-5.11	31.37	3.00	47.07	-50.31	-20.00	30.31	Harmonic	-57.27
469.99	2349.94	PK	20.86	H	-5.80	31.90	3.00	46.96	-50.42	-20.00	30.42	Harmonic	-54.34
469.99	2349.94	PK	16.77	V	-5.80	31.90	3.00	42.86	-54.51	-20.00	34.51	Ambient	-54.51
469.99	2819.93	PK	17.77	H	-6.33	32.52	3.00	43.96	-53.42	-20.00	33.42	Harmonic	-55.55
469.99	2819.93	PK	17.44	V	-6.33	32.52	3.00	43.62	-53.75	-20.00	33.75	Harmonic	-55.72
469.99	3289.91	PK	22.39	H	-6.83	32.79	3.00	48.35	-49.03	-20.00	29.03	Ambient	-49.03
469.99	3289.91	PK	22.67	V	-6.83	32.79	3.00	48.63	-48.75	-20.00	28.75	Harmonic	-52.94
469.99	3759.90	PK	19.00	H	-7.29	33.19	3.00	44.89	-52.48	-20.00	32.48	Harmonic	-54.56
469.99	3759.90	PK	17.41	V	-7.29	33.19	3.00	43.30	-54.07	-20.00	34.07	Harmonic	-55.20
469.99	4229.89	PK	18.24	H	-7.77	33.46	3.00	43.93	-53.45	-20.00	33.45	Ambient	-53.45
469.99	4229.89	PK	22.65	V	-7.77	33.46	3.00	48.34	-49.04	-20.00	29.04	Ambient	-49.04
469.99	4699.88	PK	18.22	H	-8.19	34.08	3.00	44.11	-53.27	-20.00	33.27	Ambient	-53.27
469.99	4699.88	PK	18.43	V	-8.19	34.08	3.00	44.32	-53.06	-20.00	33.06	Ambient	-53.06

8.6.14 Radiated Emissions, 25 kHz Analog, 469.9875 MHz, Mode 1

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBuV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)		Noise Floor (dBm)
469.99	939.98	PK	30.37	H	-3.59	23.47	3.00	50.25	-47.13	-13.00	34.13	Harmonic	-54.47
469.99	939.98	PK	25.75	V	-3.59	23.47	3.00	45.63	-51.75	-13.00	38.75	Harmonic	-47.52
469.99	1409.96	PK	27.57	H	-4.38	27.95	3.00	51.14	-46.24	-13.00	33.24	Harmonic	-50.53
469.99	1409.96	PK	21.45	V	-4.38	27.95	3.00	45.02	-52.36	-13.00	39.36	Harmonic	-51.92
469.99	1879.95	PK	13.13	H	-5.11	31.37	3.00	39.39	-57.99	-13.00	44.99	Harmonic	-57.27
469.99	1879.95	PK	21.03	V	-5.11	31.37	3.00	47.29	-50.09	-13.00	37.09	Harmonic	-54.34
469.99	2349.94	PK	22.28	H	-5.80	31.90	3.00	48.38	-49.00	-13.00	36.00	Harmonic	-52.33
469.99	2349.94	PK	17.79	V	-5.80	31.90	3.00	43.88	-53.49	-13.00	40.49	Harmonic	-55.55
469.99	2819.93	PK	17.39	H	-6.33	32.52	3.00	43.58	-53.80	-13.00	40.80	Harmonic	-55.72
469.99	2819.93	PK	19.06	V	-6.33	32.52	3.00	45.24	-52.13	-13.00	39.13	Harmonic	-49.26
469.99	3289.91	PK	22.91	H	-6.83	32.79	3.00	48.87	-48.51	-13.00	35.51	Ambient	-48.51
469.99	3289.91	PK	23.09	V	-6.83	32.79	3.00	49.05	-48.33	-13.00	35.33	Harmonic	-54.56
469.99	3759.90	PK	18.22	H	-7.29	33.19	3.00	44.11	-53.26	-13.00	40.26	Harmonic	-55.20
469.99	3759.90	PK	18.73	V	-7.29	33.19	3.00	44.62	-52.75	-13.00	39.75	Harmonic	-52.58
469.99	4229.89	PK	17.96	H	-7.77	33.46	3.00	43.65	-53.73	-13.00	40.73	Ambient	-53.73
469.99	4229.89	PK	23.27	V	-7.77	33.46	3.00	48.96	-48.42	-13.00	35.42	Ambient	-48.42
469.99	4699.88	PK	18.54	H	-8.19	34.08	3.00	44.43	-52.95	-13.00	39.95	Ambient	-52.95
469.99	4699.88	PK	18.35	V	-8.19	34.08	3.00	44.24	-53.14	-13.00	40.14	Ambient	-53.14

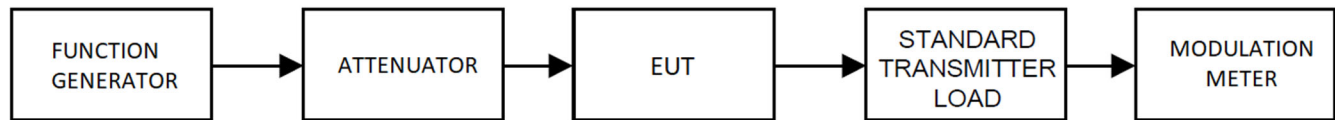
8.6.15 Radiated Emissions, 12.5 kHz Digital, 469.9875 MHz, Mode 1

Tuned Frequency (MHz)	Emission Frequency (MHz)	Detector	Meter Reading (dBuV)	Antenna Polarity	Coax Loss (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBuV/m)	ERP (dBm)	Spurious Limit (dBm)	Margin (dB)		Noise Floor (dBm)
469.99	939.98	PK	34.90	H	-3.59	23.47	3.00	54.78	-42.60	-20.00	22.60	Harmonic	-53.66
469.99	939.98	PK	29.66	V	-3.59	23.47	3.00	49.54	-47.84	-20.00	27.84	Harmonic	-54.47
469.99	1409.96	PK	29.00	H	-4.38	27.95	3.00	52.57	-44.81	-20.00	24.81	Harmonic	-47.09
469.99	1409.96	PK	20.28	V	-4.38	27.95	3.00	43.85	-53.53	-20.00	33.53	Harmonic	-50.53
469.99	1879.95	PK	17.06	H	-5.11	31.37	3.00	43.32	-54.06	-20.00	34.06	Harmonic	-51.92
469.99	1879.95	PK	22.46	V	-5.11	31.37	3.00	48.72	-48.66	-20.00	28.66	Harmonic	-57.27
469.99	2349.94	PK	23.77	H	-5.80	31.90	3.00	49.87	-47.51	-20.00	27.51	Harmonic	-54.34
469.99	2349.94	PK	19.22	V	-5.80	31.90	3.00	45.31	-52.06	-20.00	32.06	Ambient	-52.06
469.99	2819.93	PK	21.52	H	-6.33	32.52	3.00	47.71	-49.67	-20.00	29.67	Harmonic	-55.55
469.99	2819.93	PK	25.69	V	-6.33	32.52	3.00	51.87	-45.50	-20.00	25.50	Harmonic	-55.72
469.99	3289.91	PK	23.85	H	-6.83	32.79	3.00	49.81	-47.57	-20.00	27.57	Ambient	-47.57
469.99	3289.91	PK	24.72	V	-6.83	32.79	3.00	50.68	-46.70	-20.00	26.70	Harmonic	-52.94
469.99	3759.90	PK	19.05	H	-7.29	33.19	3.00	44.94	-52.43	-20.00	32.43	Harmonic	-54.56
469.99	3759.90	PK	19.76	V	-7.29	33.19	3.00	45.65	-51.72	-20.00	31.72	Harmonic	-55.20
469.99	4229.89	PK	19.99	H	-7.77	33.46	3.00	45.68	-51.70	-20.00	31.70	Ambient	-51.70
469.99	4229.89	PK	28.60	V	-7.77	33.46	3.00	54.29	-43.09	-20.00	23.09	Ambient	-43.09
469.99	4699.88	PK	19.97	H	-8.19	34.08	3.00	45.86	-51.52	-20.00	31.52	Ambient	-51.52
469.99	4699.88	PK	19.38	V	-8.19	34.08	3.00	45.27	-52.11	-20.00	32.11	Ambient	-52.11

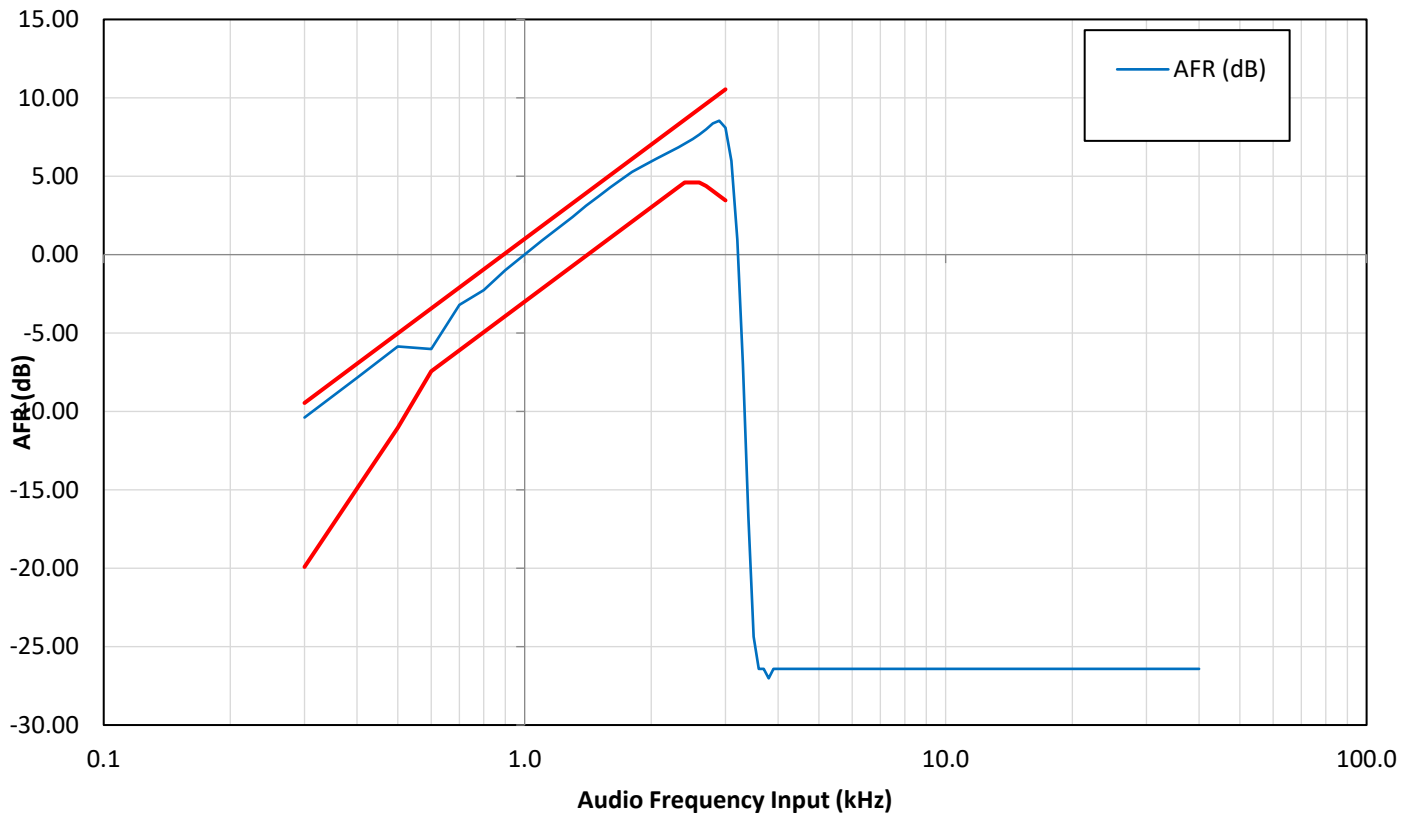
8.7 Modulation Characteristics

Limits from FCC Parts 2.1047 and test procedure from ANSI C63.26-2015

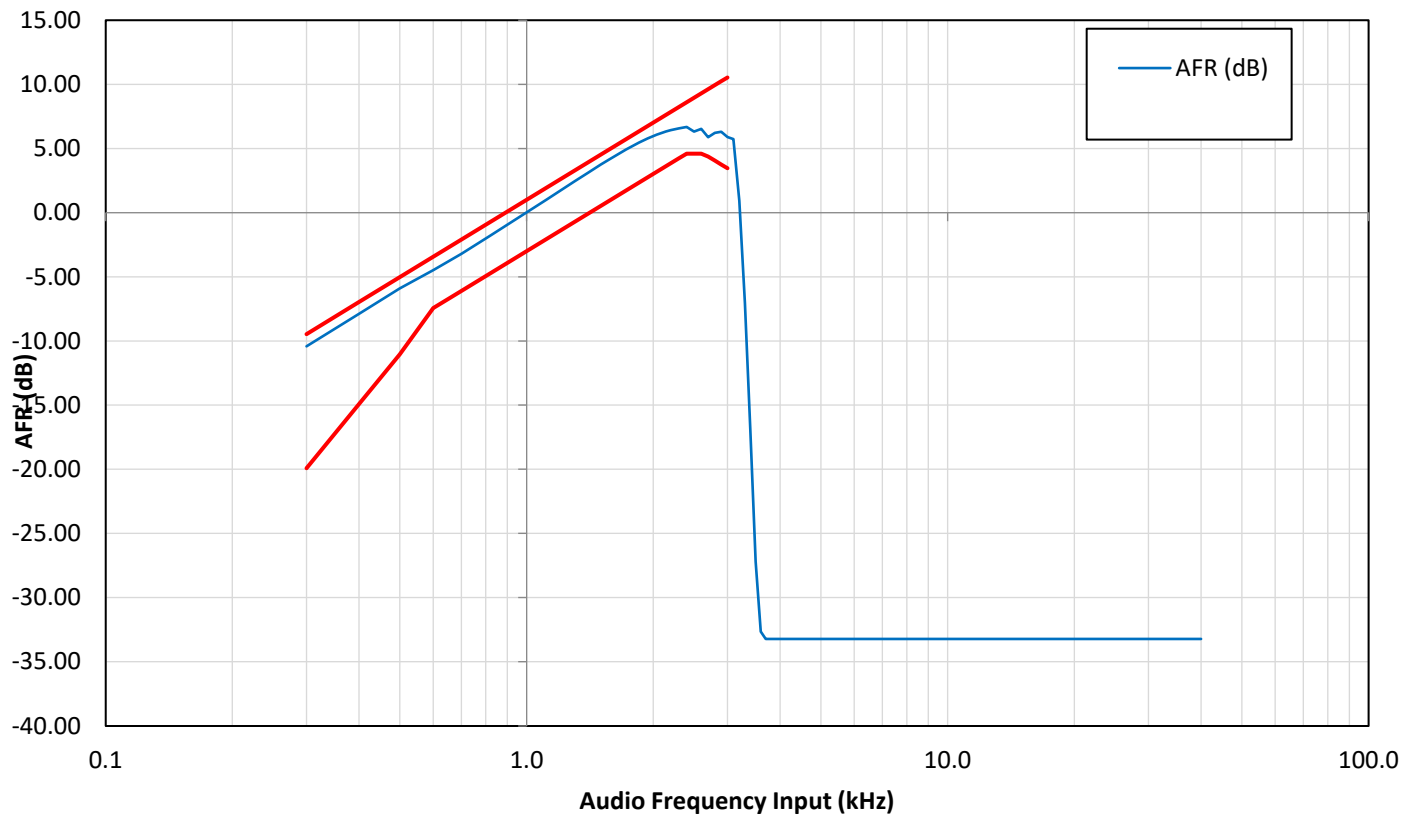
Conducted Test Setup



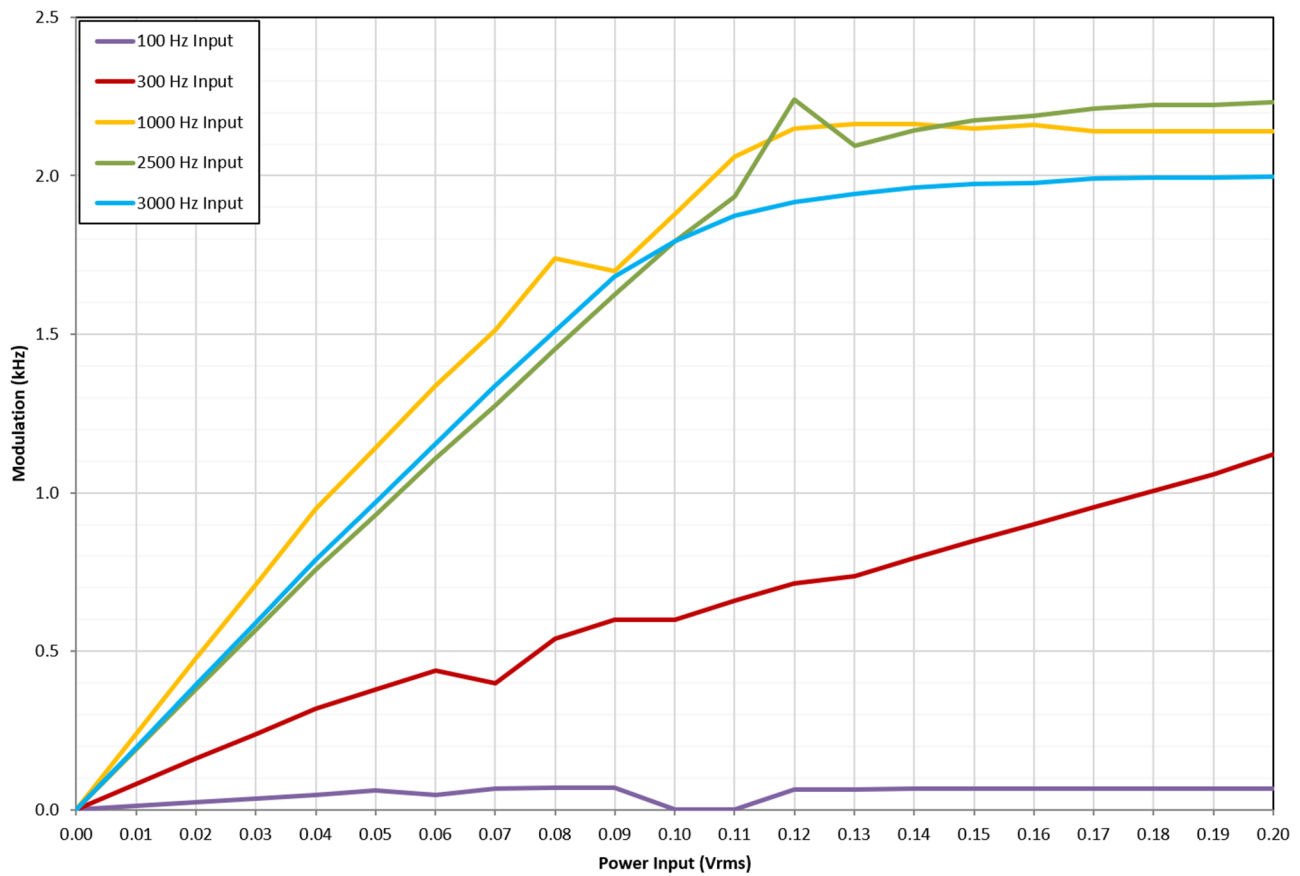
8.7.1 Audio Frequency Response, 12.5 kHz



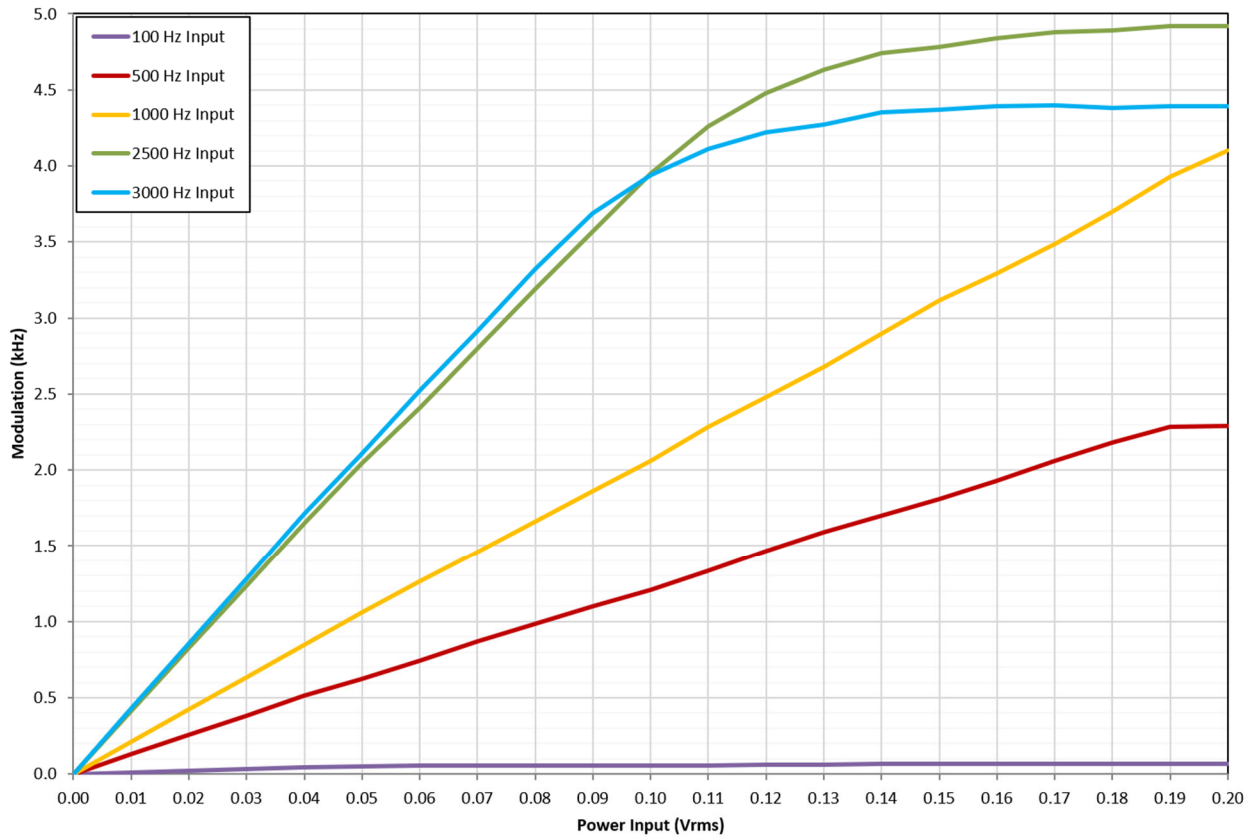
8.7.2 Audio Frequency Response, 25 kHz



8.7.3 Modulation Limiting, 12.5 kHz

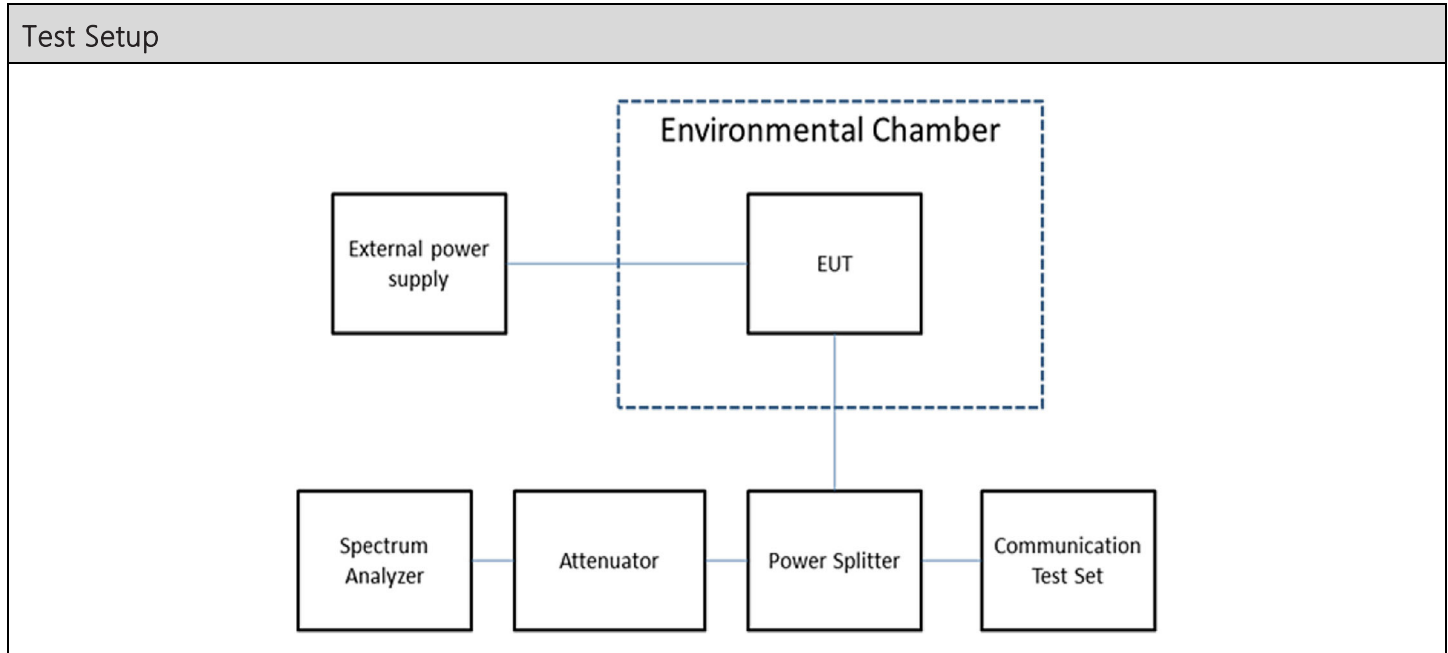


8.7.4 Modulation Limiting, 25 kHz



8.8 Frequency Stability

Limits from FCC Parts 2.1055, and 90.213; and test procedure from ANSI C63.26-2015.

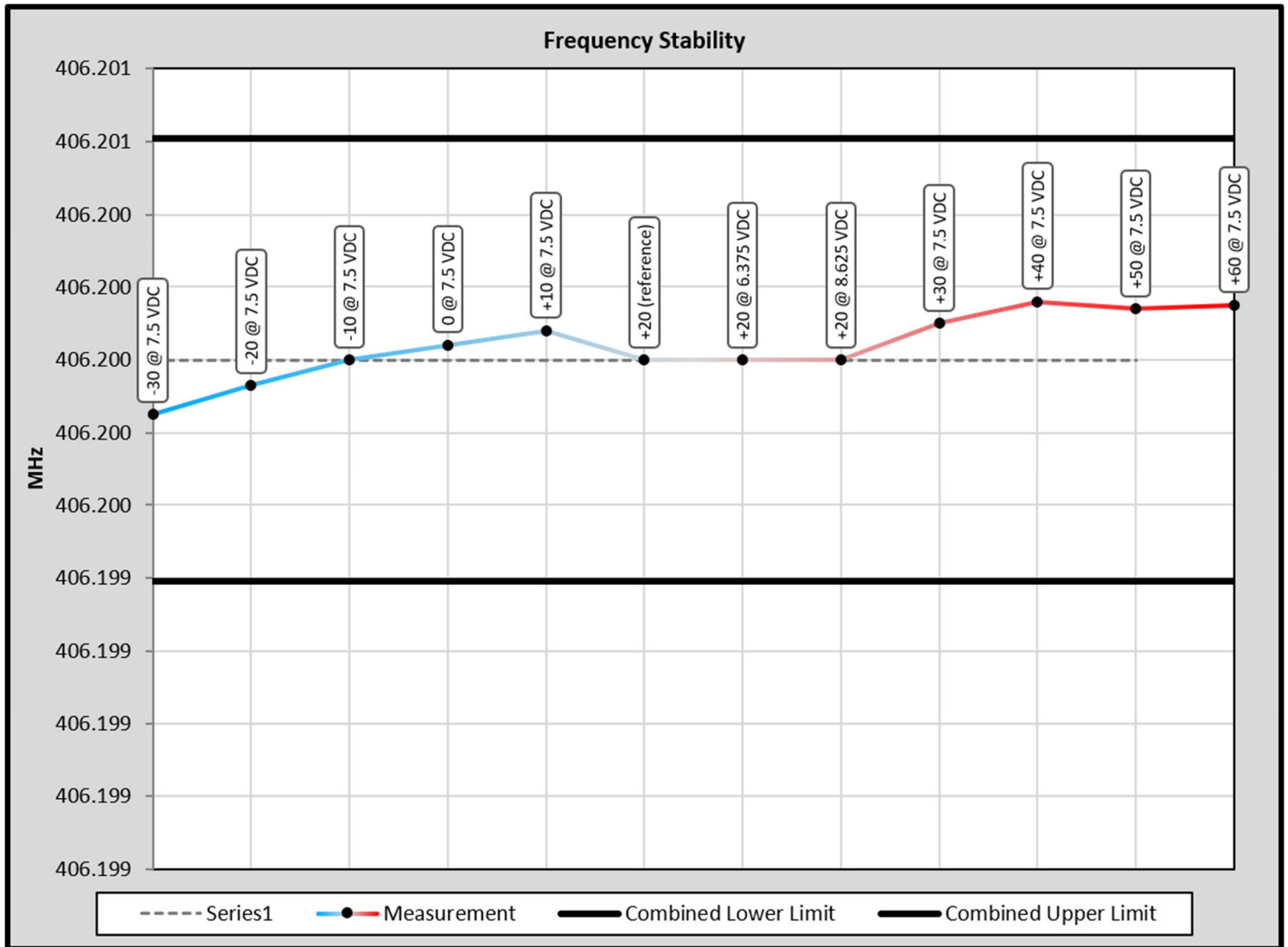


Test Results, Mode 1		
Tuned Frequency (MHz)	Max Deviation (kHz)	Limit (ppm)
406.2	0.150	1.5

8.8.1 Frequency Stability Data

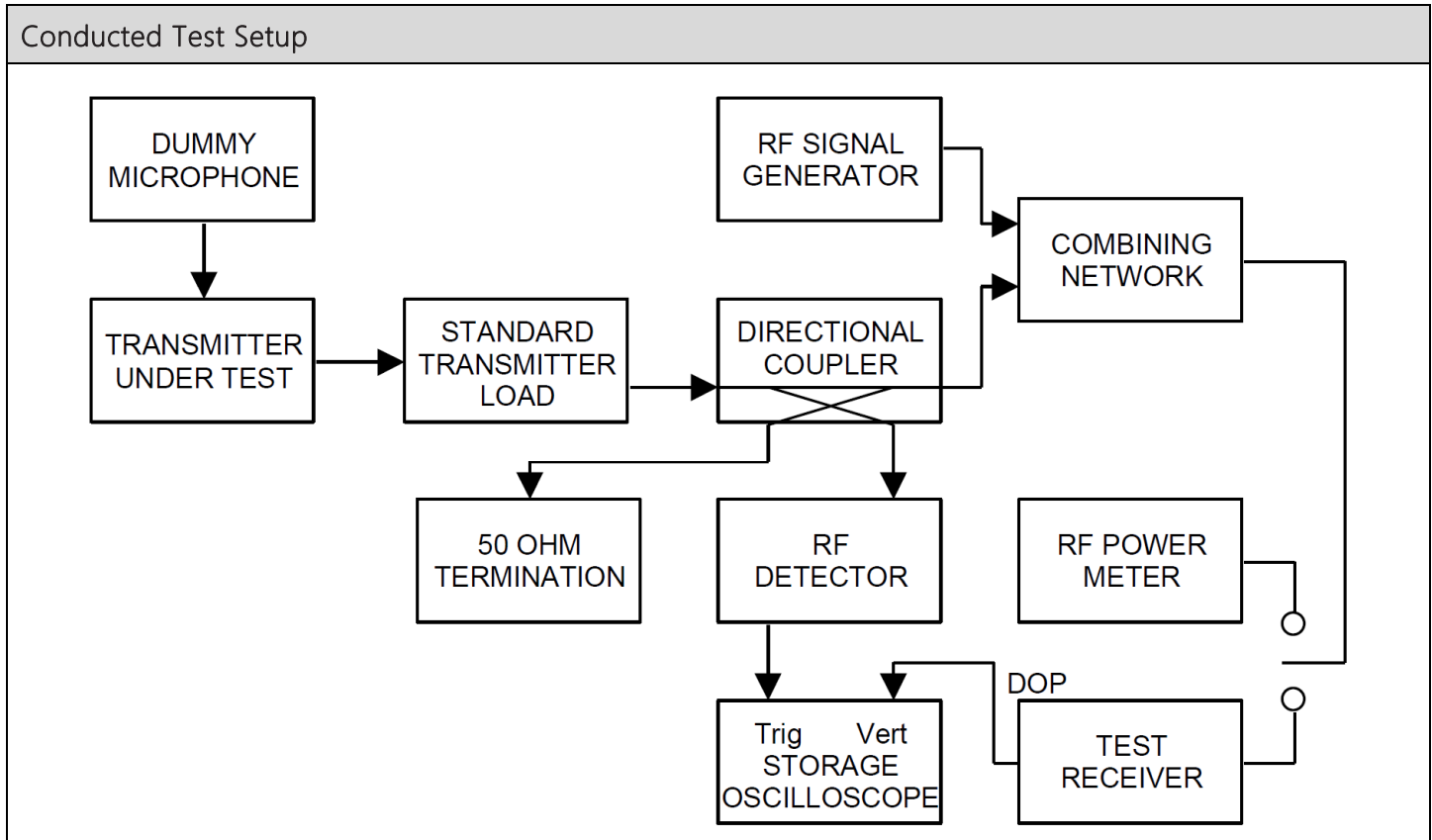
FCC Part 90 Limit	1.5	ppm	
FCC Part 90 Limit, as ppb	1500	ppb (Parts per Billion)	
FCC Part 90 Limit, as %	0.00015	%	
Strictest Combined Limit, as Hz	609.300	Hz	
Combined Lower Limit	406.199391	MHz	
Combined Upper Limit	406.200609	MHz	
Rated Supply Voltage	7.5	☐ AC ☒ DC	
Temperature / Voltage Variation			
Temperature (°C)	Supplied Voltage (V)	Frequency (MHz)	Deviation (kHz)
-30	7.5	406.199850	0.150
-20	7.5	406.199930	0.070
-10	7.5	406.199999	0.001
0	7.5	406.200040	-0.040
+10	7.5	406.200080	-0.080
+20 (reference)	7.5	406.200000	0.000
+20	6.4	406.200000	0.000
+20	8.6	406.200000	0.000
+30	7.5	406.200100	-0.100
+40	7.5	406.200160	-0.160
+50	7.5	406.200140	-0.140
+60	7.5	406.200150	-0.150

8.8.2 Frequency Stability Plot



8.9 Transient Frequency Behavior

Limits from FCC Part 90.214; and test procedure from ANSI C63.26-2015.



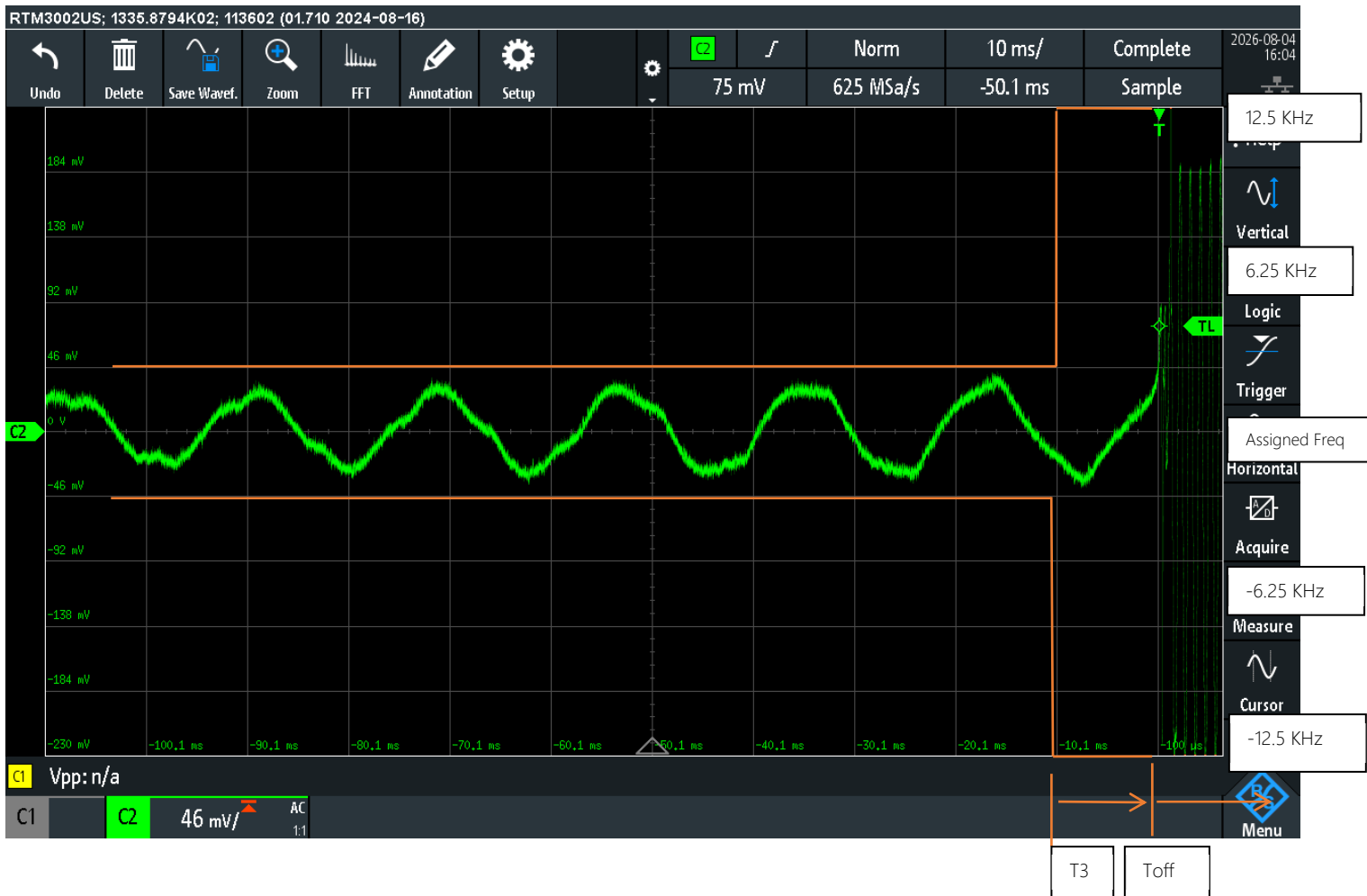
Time Interval	Maximum Frequency Deviation	Plot Deviation	421 – 512 MHz
Transient Frequency Behavior for Equipment Designed to Operate on 25 kHz Channels			
T ₁	±25.0 kHz	±450 mV	10 ms
T ₂	±12.5 kHz	±225 mV	25ms
T ₃	±25.0 kHz	±450 mV	10ms
Transient Frequency Behavior for Equipment Designed to Operate on 25 kHz Channels			
T ₁	±12.5 kHz	±230 mV	10 ms
T ₂	±6.25 kHz	±115 mV	25ms
T ₃	±12.5 kHz	±230 mV	10ms

T₁ = Full Deviation

8.9.1 Transient Frequency Behavior Keyed On (12.5kHz)



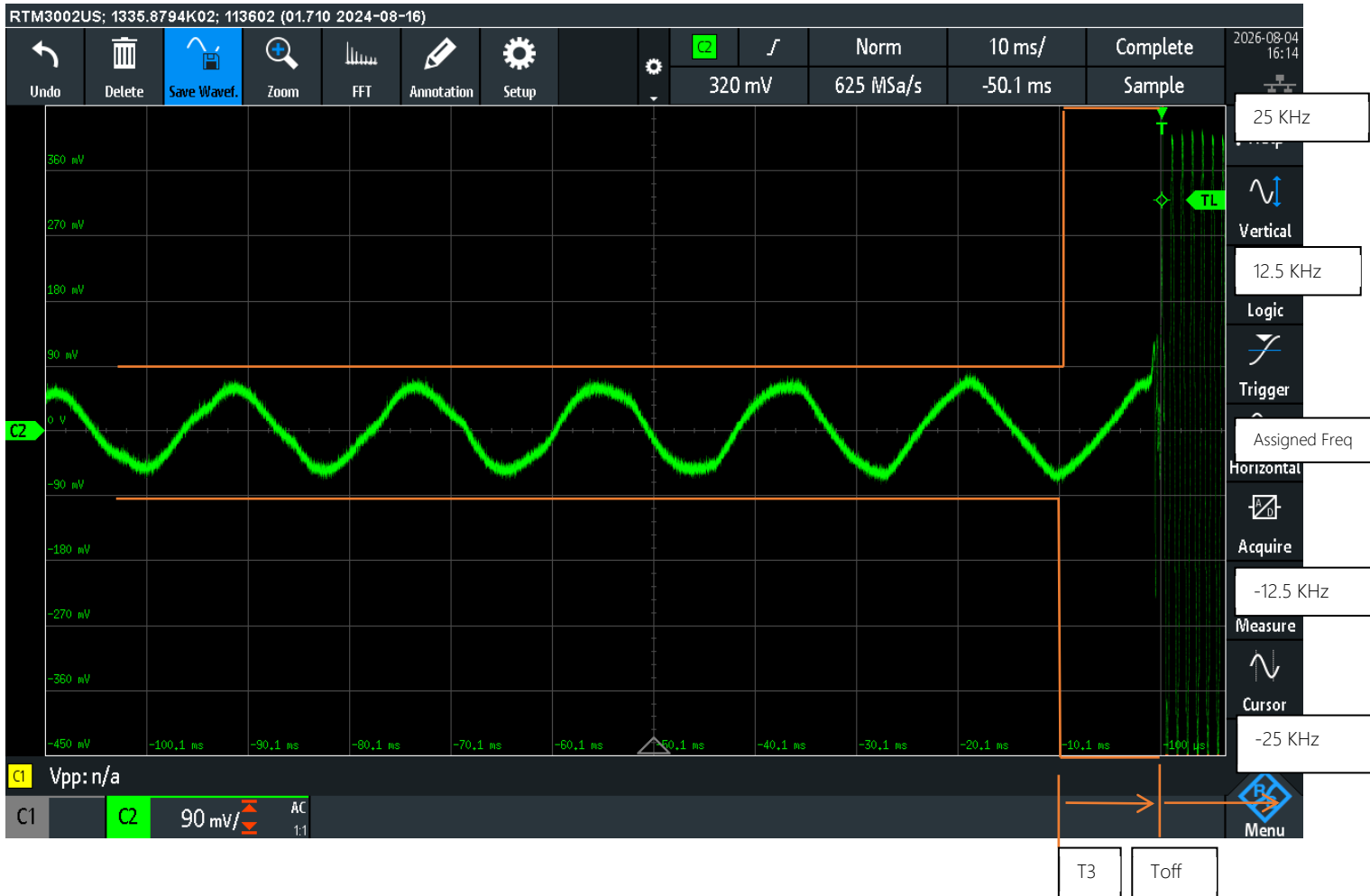
8.9.2 Transient Frequency Behavior Keyed On (12.5kHz)



8.9.1 Transient Frequency Behavior Keyed On (25kHz)



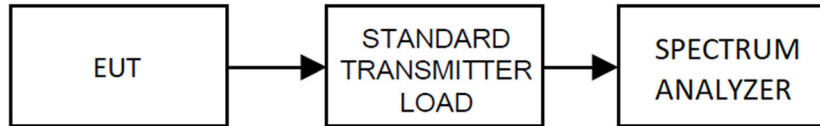
8.9.2 Transient Frequency Behavior Keyed On (25kHz)



8.10 Adjacent channel power limits

Limits from FCC Part 90.221, and test procedure from ANSI C63.26-2015.

Conducted Test Setup



N/A - The EUT does not operate in a band requiring ACP.

9. ANNEX-B – Test Setup Photographs

Test setup photographs are located in a separate supplementary ANNEX-B document.

10. History of Test Report Changes

Test Report #	Revision #	Description	Date of Issue
TR_27474-26_FCC 90_BPR45_	1	Initial release	2026-05-15
	2	Revised – Removed low power data.	2026-07-22
	3	Revised – section 8.9.	2026-08-04
	4	Revised pages 16,102 & section 8.6	2026-08-06

END OF TEST REPORT
