



FCC PART 22, 74, 80 AND 90

TEST REPORT

For

Hytera Communications Corporation Limited

Hytera Tower, Hi-Tech Industrial Park North, 9108# Beihuan Road, Nanshan District, Shenzhen, 518057
China

FCC ID:YAMHP7XXUVS

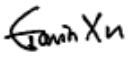
Report Type: Original Report	Product Type: Digital Portable Radio
Report Number: <u>DG2210727-31354E-00C</u>	
Report Date: <u>2021-08-20</u>	
Reviewed By:	Gavin Xu RF Engineer 
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GENERAL INFORMATION**Product Description for Equipment under Test (EUT)**

Product Name:		Digital Portable Radio
Test Model:		HP782 Uv
Multiple Model:		HP785 Uv, HP786 Uv, HP788 Uv, HP702 Uv, HP705 Uv, HP706 Uv, HP708 Uv, HDP782 Uv, HDP785 Uv, HDP786 Uv, HDP788 Uv, HDP702 Uv, HDP705 Uv, HDP706 Uv, HDP708 Uv, HP782 U1, HP785 U1, HP786 U1, HP788 U1, HP702 U1, HP705 U1, HP706 U1, HP708 U1, HDP782 U1, HDP785 U1, HDP786 U1, HDP788 U1, HDP702 U1, HDP705 U1, HDP706 U1, HDP708 U1
Rated Input Voltage:		DC 7.7V from battery, DC 12V charging form charger base
Serial Number:		HP782 Uv: DG2210727-31354E-RF-S1 HP702 Uv: DG2210727-31354E-RF-S2
Adapter Information	Model:	HKA01212010-XQ
	Input:	AC 100-240V 50/60Hz 0.5A
	Output:	DC 12.0V 1.0A 12.0W
EUT Received Date:		2021.07.27
EUT Received Status:		Good

Technical Specification

Operation Frequency Range (MHz):	350-470
Rated RF Output Power (Conducted) (W):	High power level: 4 Low power level: 1
Modulation Type:	FM, 4FSK
Channel Spacing (kHz):	12.5/25

Objective

This test report is prepared on behalf of *Hytera Communications Corporation Limited* in accordance with Part 2, and Part 22, 74, 80 and 90 of the Federal Communication Commissions rules.

Test Methodology

All tests and measurements indicated in this document were performed in accordance with:

the Code of federal Regulations Title 47, Part 2, Part 22, Part 74, Part 80 and Part 90

ANSI C63.26-2015, American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

TIA-603-E-2016, Land Mobile FM or PM Communications Equipment Measurement and Performance Standards

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Dongguan). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement Uncertainty

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.61dB
Unwanted Emissions, radiated	30MHz ~ 1GHz: 5.85 dB 1G~26.5GHz: 5.23 dB
Unwanted Emissions, conducted	±1.5 dB
Temperature	±1 °C
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%

Note: Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.12, Pulong East 1st Road, Tangxia Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 897218, the FCC Designation No. : CN1220.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0022.

Declarations

BACL is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in a test mode which has been done in the factory.

EUT Exercise Software

No exercise software was used.

Equipment Modifications

No modification was made to the EUT tested.

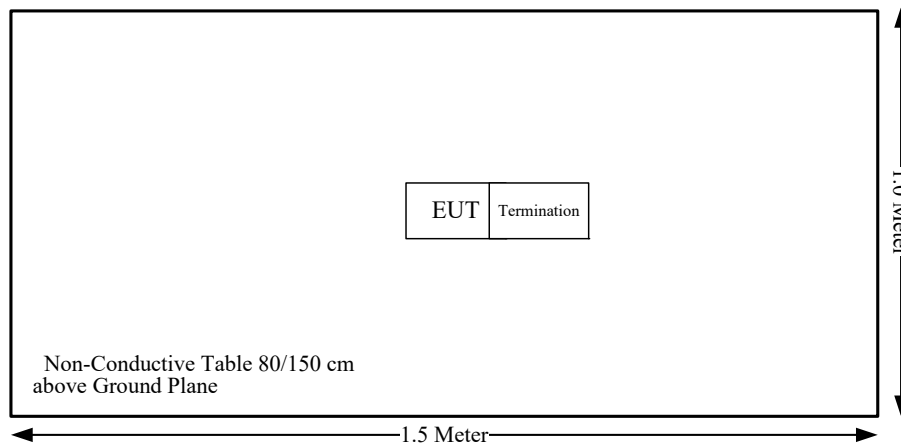
Local Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Wenschel	Terminations	1440	MD477

Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length(m)	From	To
/	/	/	/	/	/

Block Diagram of Test Setup



Test Equipment List

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated emissions below 1GHz					
Sunol Sciences	Antenna	JB3	A060611-1	2020-11-10	2023-11-10
R&S	EMI Test Receiver	ESR3	102453	2020-09-23	2021-09-22
Unknown	Coaxial Cable	C-NJNJ-50	C-0075-01	2021-07-19	2022-07-18
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-01	2021-07-19	2022-07-18
Unknown	Coaxial Cable	C-NJNJ-50	C-1400-01	2021-07-19	2022-07-18
Sonoma	Amplifier	310N	372193	2021-07-18	2022-07-17
EMCO	Adjustable Dipole Antenna	3121C	9109-753	N/A	N/A
Unknown	Coaxial Cable	C-NJNJ-50	C-0200-02	2021-09-04	2022-09-03
Agilent	Signal Generator	E8247C	MY43321350	2021-04-25	2022-04-24
Radiated emissions above 1GHz					
ETS-Lindgren	Horn Antenna	3115	000 527 35	2018-10-12	2021-10-12
Agilent	Spectrum Analyzer	E4440A	SG43360054	2021-07-22	2022-07-21
Unknown	Coaxial Cable	C-SJSJ-50	C-0800-01	2020-09-05	2021-09-05
Mini-Circuit	Amplifier	ZVA-213-S+	54201245	2020-09-05	2021-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-0200-02	2020-09-05	2021-09-05
Agilent	Signal Generator	E8247C	MY43321350	2021-04-25	2022-04-24
TDK RF	Horn Antenna	HRN-0118	130 084	2018-10-12	2021-10-12
Unknown	Coaxial Cable	C-NJNJ-50	C-0200-02	2020-09-05	2021-09-05
RF Conducted Test					
Rohde & Schwarz	Signal Analyzer	FSIQ26	831929/005	2021-07-22	2022-07-21
R&S	Spectrum Analyzer	FSV40	101474	2021-07-22	2022-07-21
yzjingcheng	Coaxial Cable	KTRFBU-141-50	41010012	2020-09-05	2021-09-05
yzjingcheng	Coaxial Cable	KTRFBU-141-50	41005011	2020-09-05	2021-09-05
E-Microwave	Blocking Control	EMDCB-00036	OE01203218	2021-05-06	2022-05-05
Weinschel	Coaxial Attenuators	53-20-34	LN749	2020-09-06	2021-09-06
HP	RF Communications Test Set	8920A	3438A05201	2021-07-22	2022-07-21
ESPEC	Constant temperature and humidity Tester	ESX-4CA	018 463	2021-02-24	2022-02-23
UNI-T	Multimeter	UT39A	M130199938	2020-08-25	2021-08-24
Pro instrument	DC Power Supply	pps3300	3300012	N/A	N/A
E-Microwave	Band Rejector Filter	OBF-ZP-400-470-NF	OE01201051	2021-01-23	2022-01-23

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Environmental Conditions

Test Item:	RF Conducted	Radiation Below 1GHz	Radiation Above 1GHz
Temperature:	28.3~28.5℃	25.7℃	27.4℃
Relative Humidity:	46~64 %	35%	65%
ATM Pressure:	99.5~100.1 kPa	99.3 kPa	99.7kPa
Tester:	Levi Shi	Johnson Huang	Jeremy Liang
Test Date:	2021.07.30~2021.08.04	2021.08.04	2021.08.05

SUMMARY OF TEST RESULTS

S/N	FCC Rules	Description of Test	Results
1	§1.1310 and §2.1093	RF Exposure	Compliance*
2	§2.1046; § 22.727; §80.215; §74.461; §90.205	RF Output Power	Compliance
3	§2.1047	Modulation Characteristic	Compliance
4	§2.1049;§22.357;§ 22.731; §74.462;§80.205; §80.207 §90.209; §90.210	Occupied Bandwidth & Emission Mask	Compliance
5	§2.1051; §22.861; §74.462; §80.211;§90.210	Spurious Emission at Antenna Terminal	Compliance
6	§2.1053;§22.861; §74.462;§80.211;§90.210	Spurious Radiated Emissions	Compliance
7	§2.1055; § 22.355; §74.464; §80.209; §90.213	Frequency Stability	Compliance
8	§90.214	Transient Frequency Behavior	Compliance

Note:

Compliance*: Please refer to the SAR report: DG2210727-31354E-20A.

2 - RF OUTPUT POWER

Applicable Standard

FCC §2.1046, § 22.727, §74.461, §80.215 and §90.205

Test Procedure

Conducted RF Output Power:

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

Spectrum Analyzer Setting:

R B/W Video B/W
100 kHz 300 kHz

Test Data

Test Mode: Transmitting

Test Result: Compliance. Please refer to following table and plots.

Channel Separation	Test Modulation	Test Channel	Test Frequency (MHz)	Conducted Output Power (dBm)		Limit (dBm)		Note
				High Power Level	Low Power Level	High Power Level	Low Power Level	
12.5kHz	FM	Low	350.0125	36.43	30.49	36.81	30.79	FCC
		Middle	453.2125	36.12	30.12	36.81	30.79	Part 90
		High	469.9875	35.97	29.73	36.81	30.79	Part 90
		Additional	455.0125	36.09	30.08	36.81	30.79	Part 74
	4FSK	Additional	454.0125	36.13	30.03	36.81	30.79	Part 22
		Low	350.0125	36.46	30.49	36.81	30.79	FCC
		Middle	453.2125	36.16	30.08	36.81	30.79	Part 90
		High	469.9875	36.00	29.67	36.81	30.79	Part 90
25kHz	FM	Additional	455.0125	36.10	30.03	36.81	30.79	Part 74
		Additional	454.0125	36.18	30.11	36.81	30.79	Part 22
		Additional	459.9875	36.01	29.74	36.81	30.79	Part 80

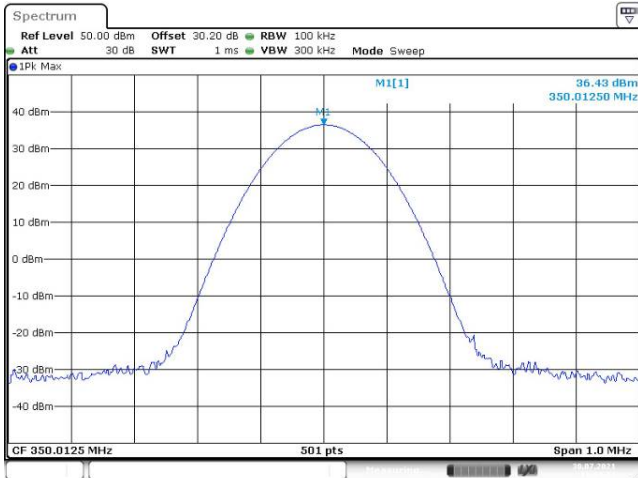
Note:

The high rated power level is 4W(36dBm), and low rated power level is 1W(30dBm).

The output power shall not exceed by more than 20 percent the manufacturer's rated output power for the particular transmitter specifically listed on the authorization.

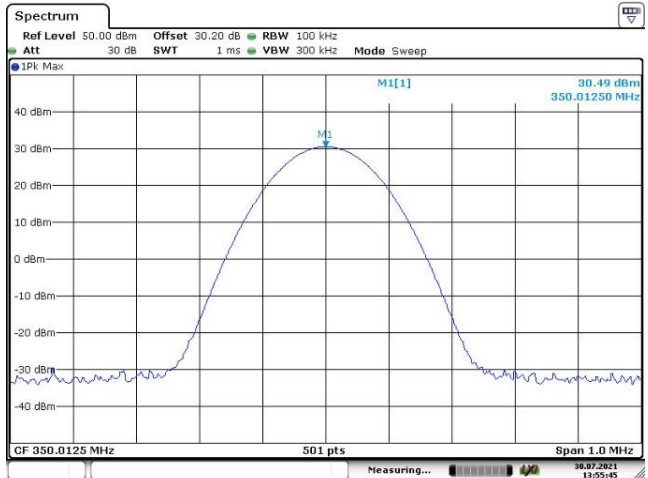
FM, 12.5kHz:

Low Channel, 350.0125 MHz High Power



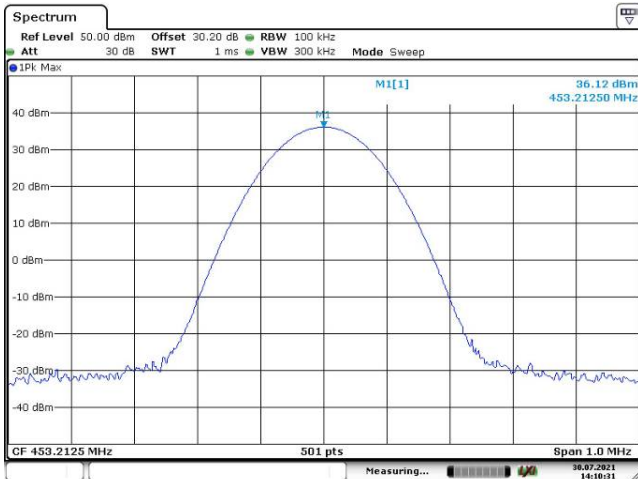
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Low Channel, 350.0125 MHz Low Power



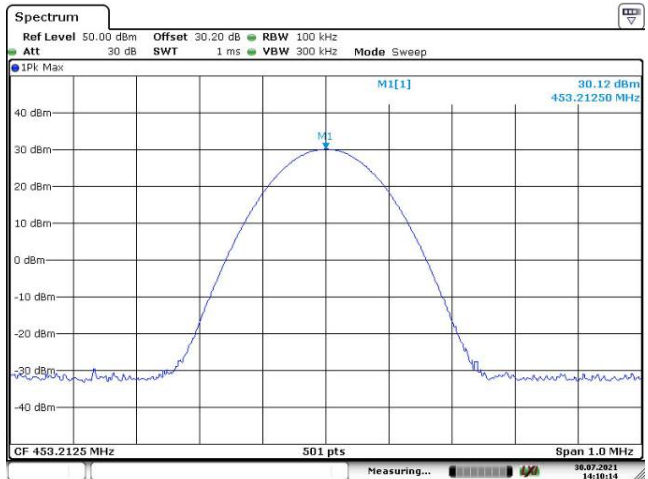
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Part 90, Middle Channel, 453.2125 MHz High Power



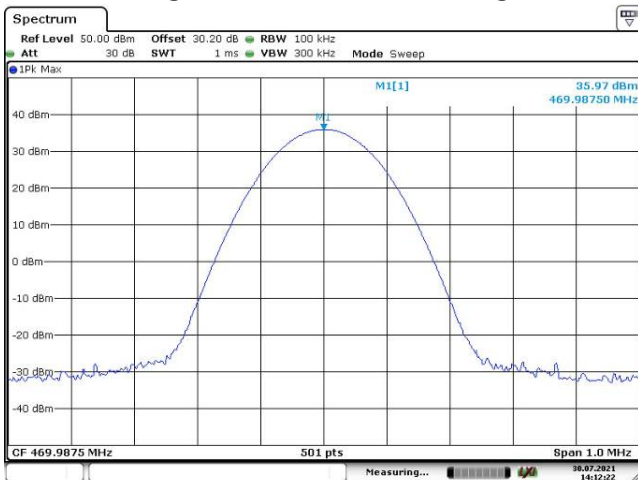
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Part 90, Middle Channel, 453.2125 MHz Low Power



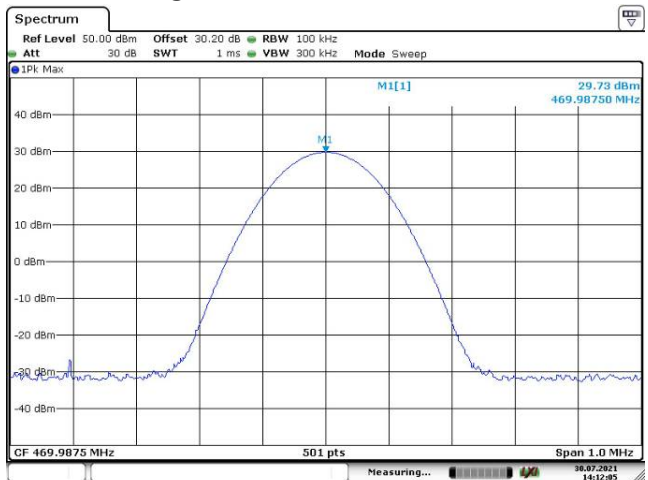
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Part 90, High Channel, 469.9875 MHz High Power



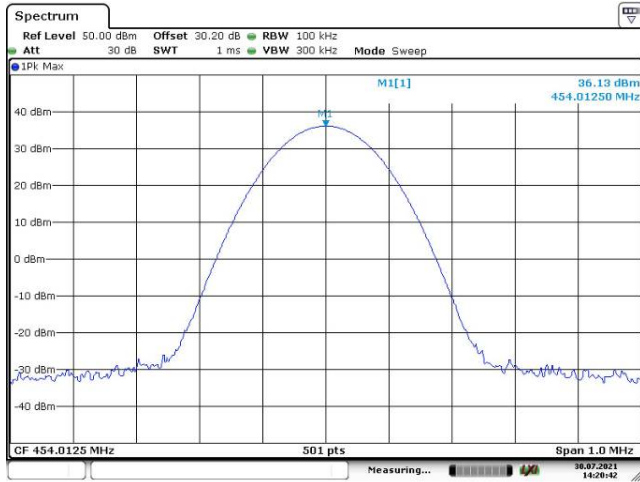
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Part 90, High Channel, 469.9875 MHz Low Power



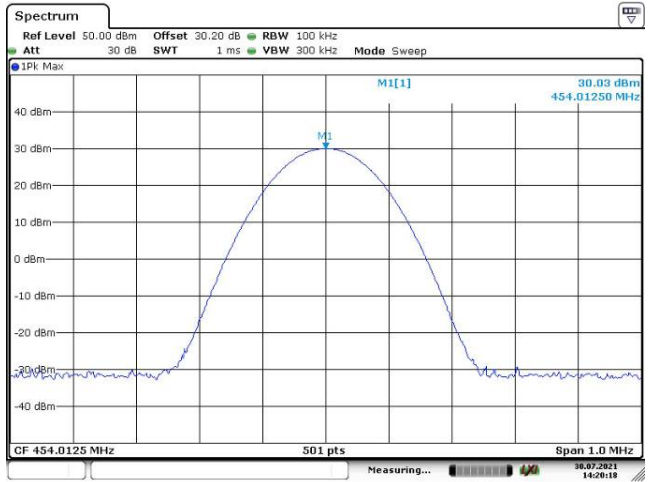
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Additional, For Part 22, 454.0125 MHz High Power



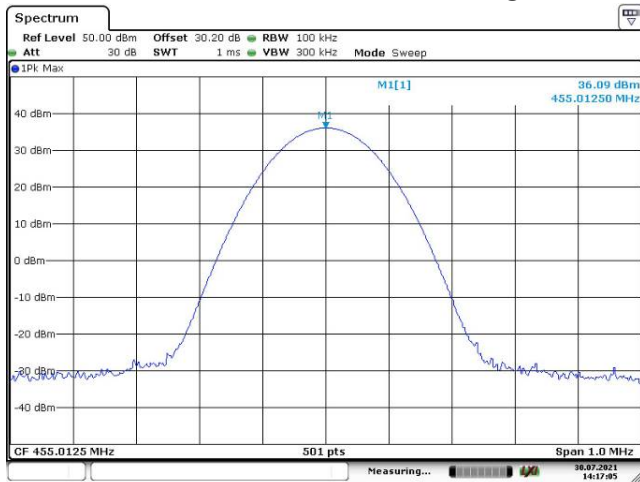
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Additional, For Part 22, 454.0125 MHz Low Power



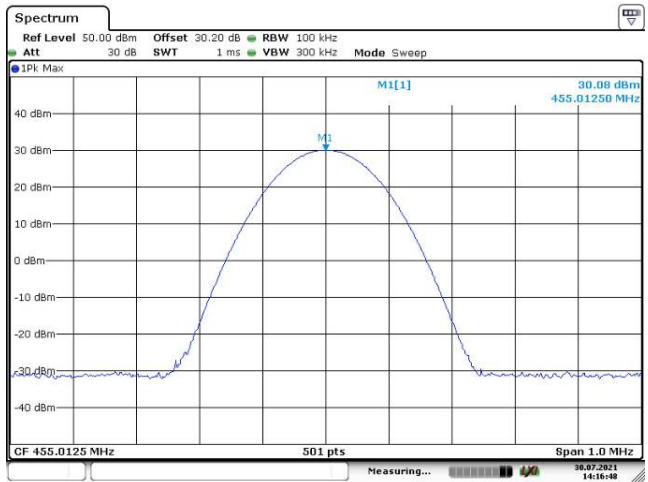
Date: 30.JUL.2021 14:20:18

Additional, For Part 74, 455.0125 MHz High Power



Date: 30.JUL.2021 14:17:05

Additional, For Part 22, 455.0125 MHz Low Power



Date: 30.JUL.2021 14:16:49

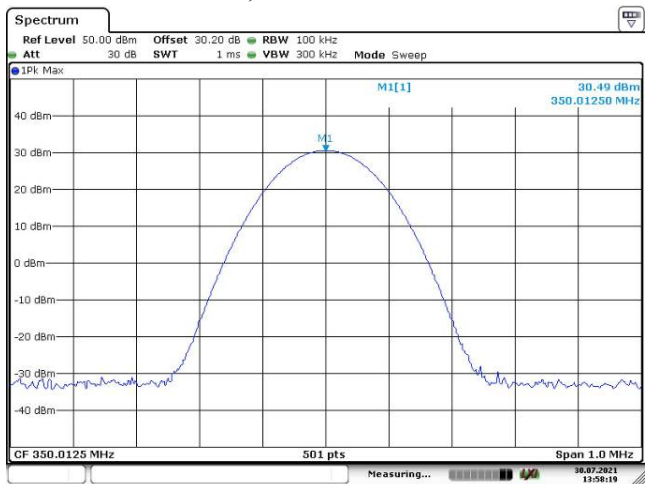
4FSK, 12.5kHz:

Low Channel, 350.0125 MHz High Power



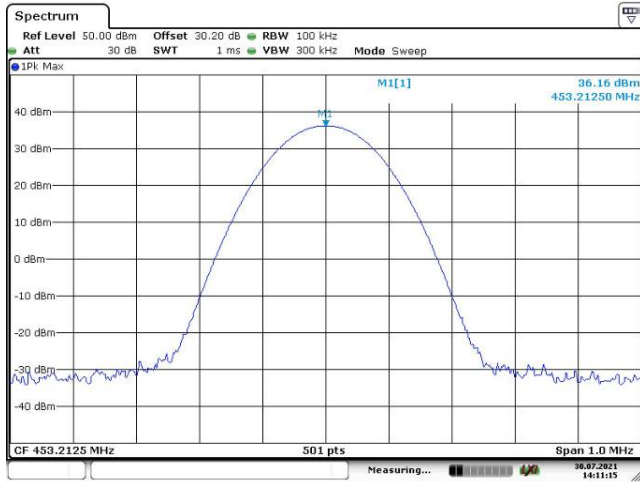
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Low Channel, 350.0125 MHz Low Power



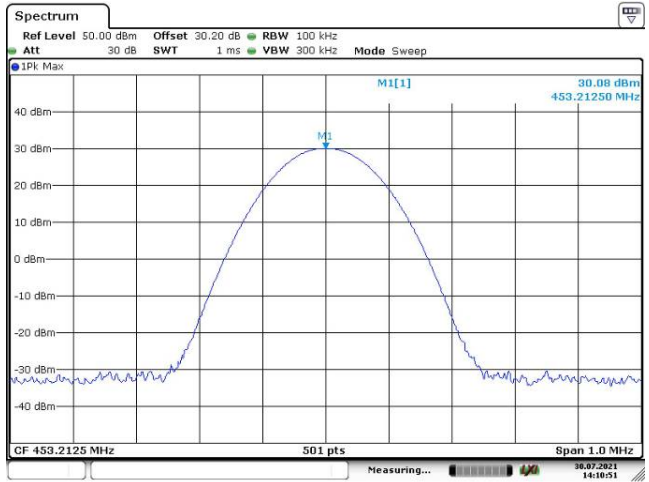
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Part 90, Middle,453.2125 MHz High Power



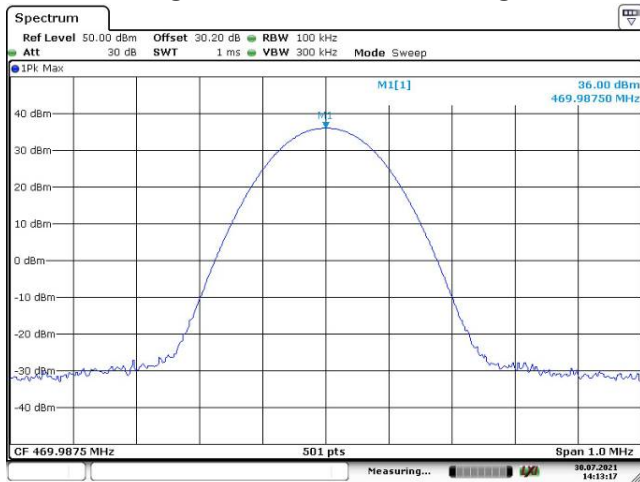
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Part 90, Middle Channel,453.2125 MHz Low Power



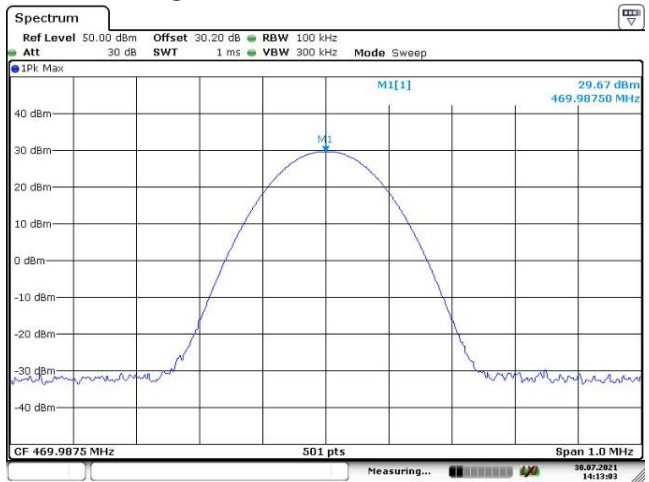
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Part 90, High Channel, 469.9875MHz High Power



Date: 30.JUL.2021 14:13:18

Part 90, High Channel, 469.9875 MHz Low Power



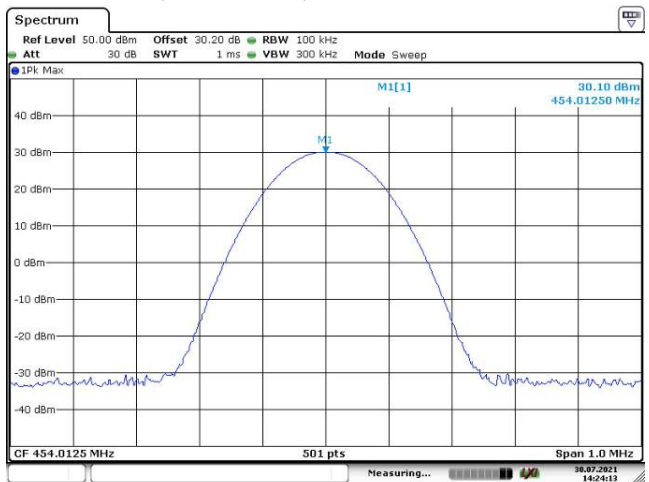
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Additional, For Part 22, 454.0125 MHz High Power



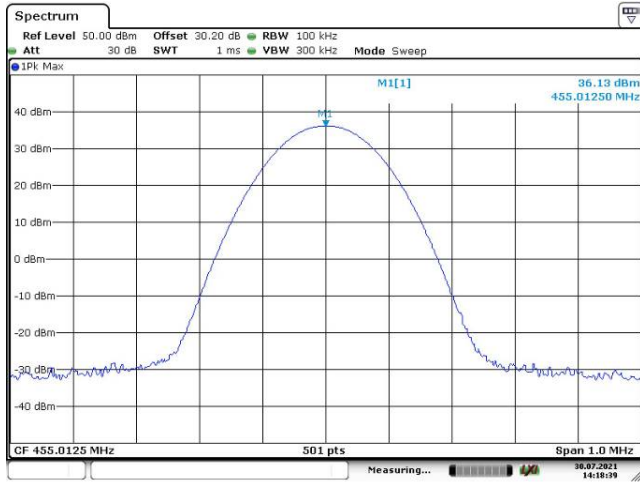
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Additional, For Part 22, 454.0125 MHz Low Power

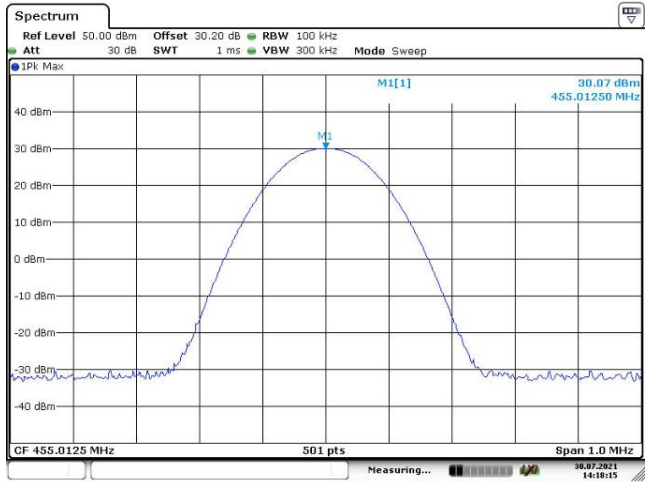


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Additional, For Part 74, 455.0125 MHz High Power

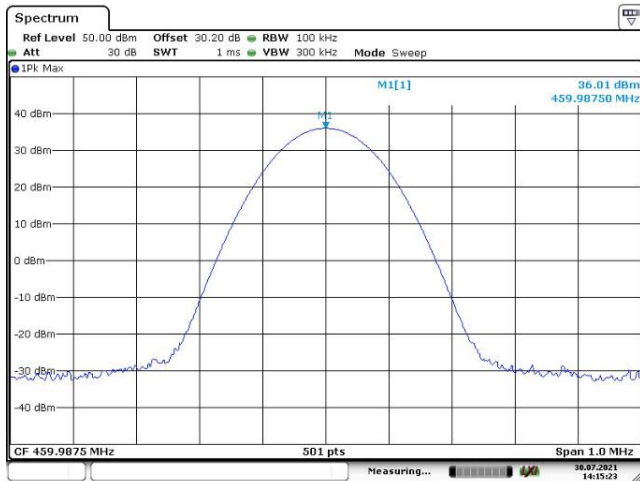


Additional, For Part 22, 455.0125 MHz Low Power

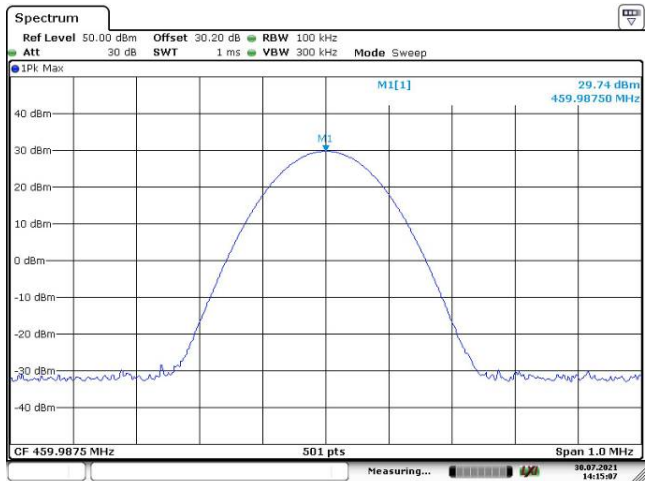


FM, 25kHz:

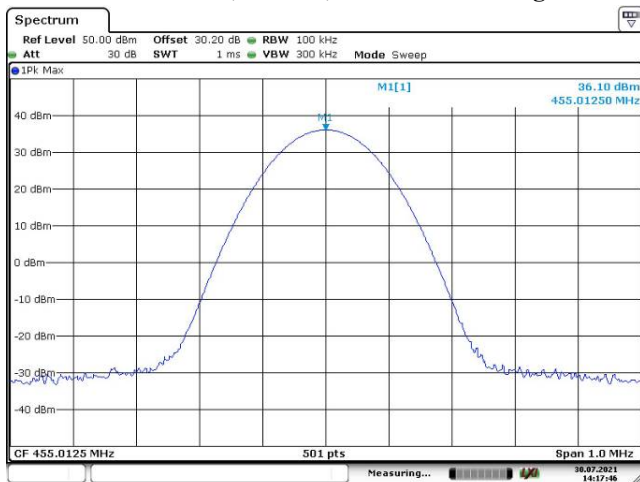
Additional Channel, Part 80, 459.9875 MHz High Power



Additional Channel, Part 90, 459.9875 MHz Low Power



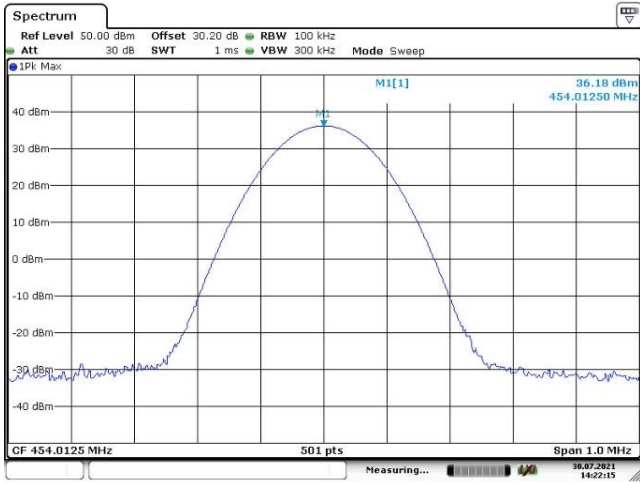
Additional Channel, Part 74, 455.0125 MHz High Power



Additional Channel, Part 74, 455.0125 MHz Low Power

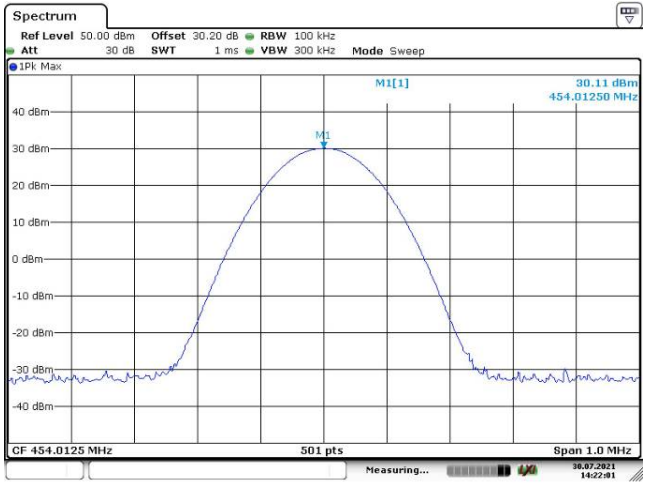


Additional Channel, Part 22, 454.0125 MHz High Power



Date: 30.JUL.2021 14:22:15

Additional Channel, Part 22, 454.0125 MHz Low Power



Date: 30.JUL.2021 14:22:02

3 - MODULATION CHARACTERISTIC

Applicable Standard

FCC §2.1047

- (a) Equipment which utilizes voice modulated communication shall show the frequency response of the audio modulating circuit over a range of 100 to 5000 Hz. for equipment which is required to have a low pass filter, the frequency response of the filter, or all of the circuitry installed between the modulation limited and the modulated stage shall be supplied.
- (b) Equipment which employs modulation limiting, a curve showing the percentage of modulation versus the modulation input voltage shall be supplied.

Test Procedure

Test Method: TIA-603-E 2.2.3

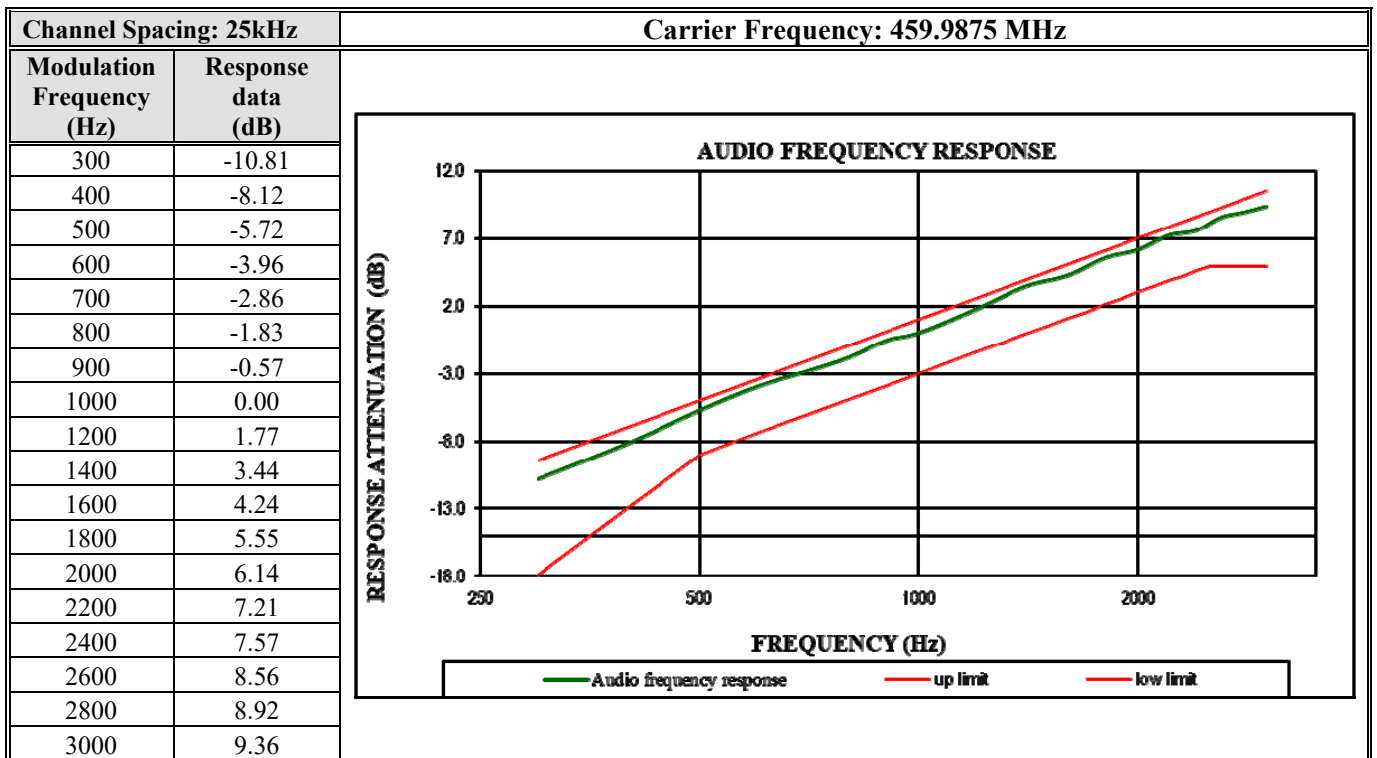
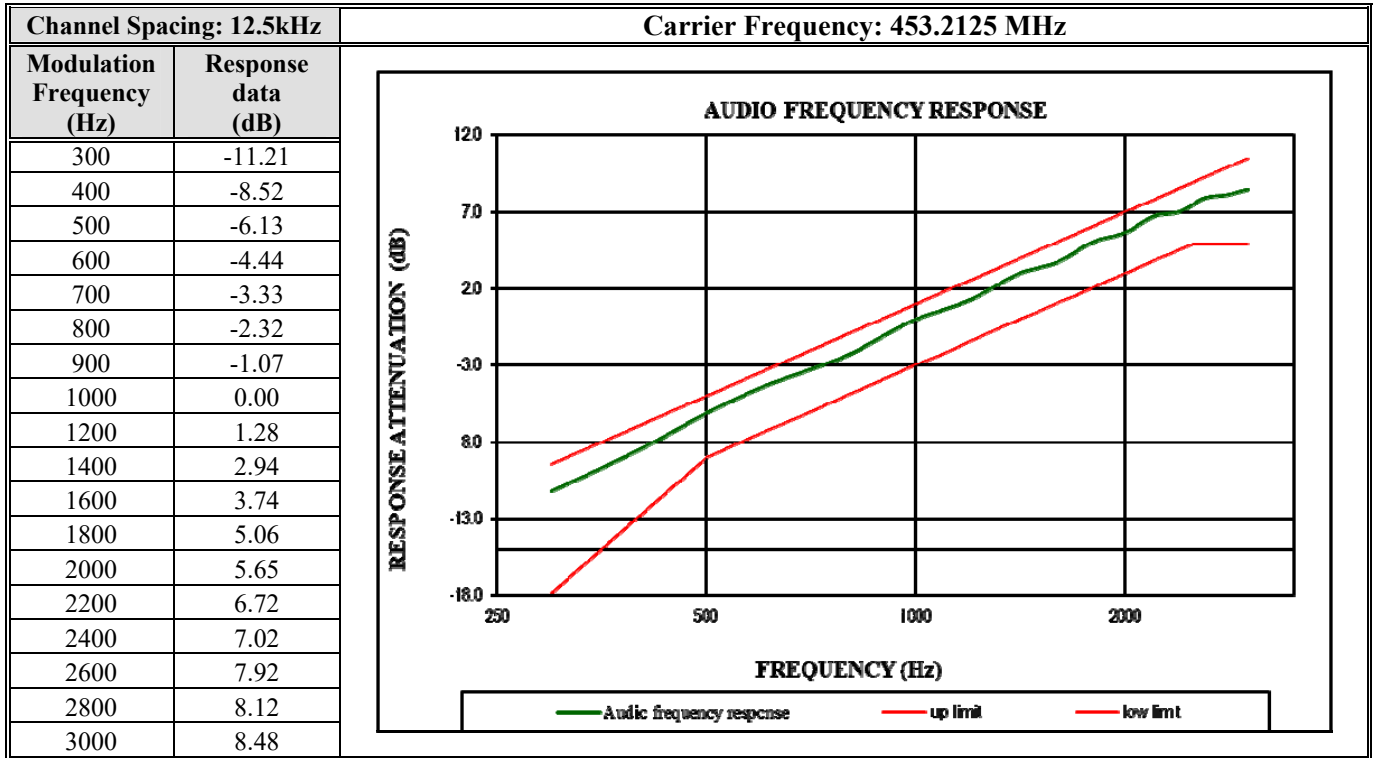
Test Data

Test Mode: Transmitting

Test Result: Compliance.

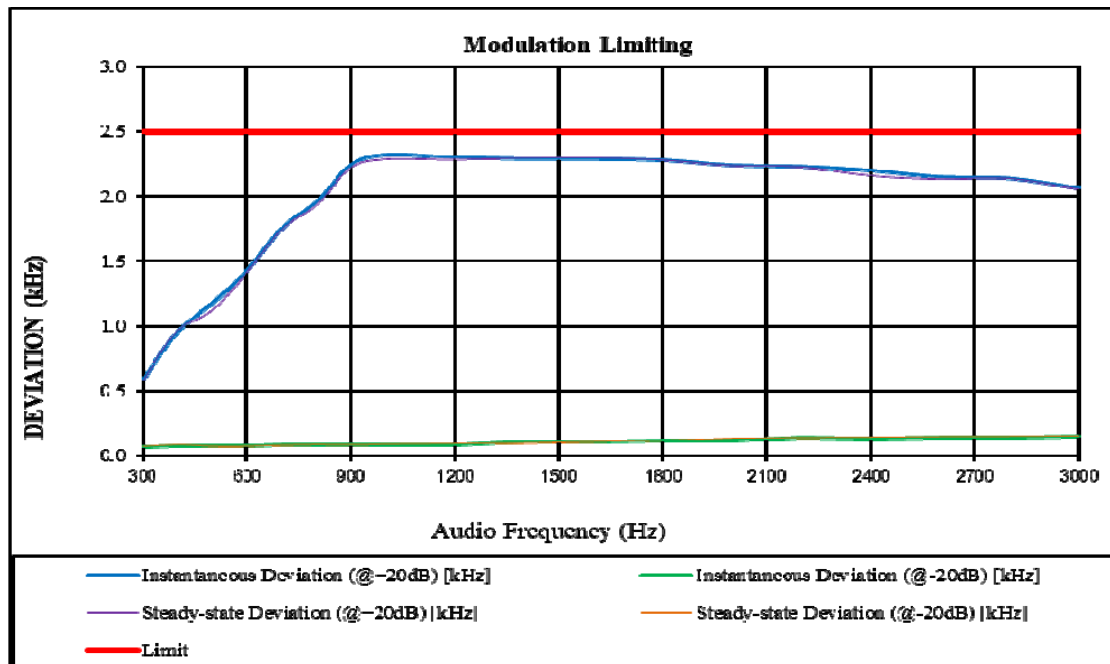
Please refer to the following tables and plots.

Audio Frequency Response – High Power

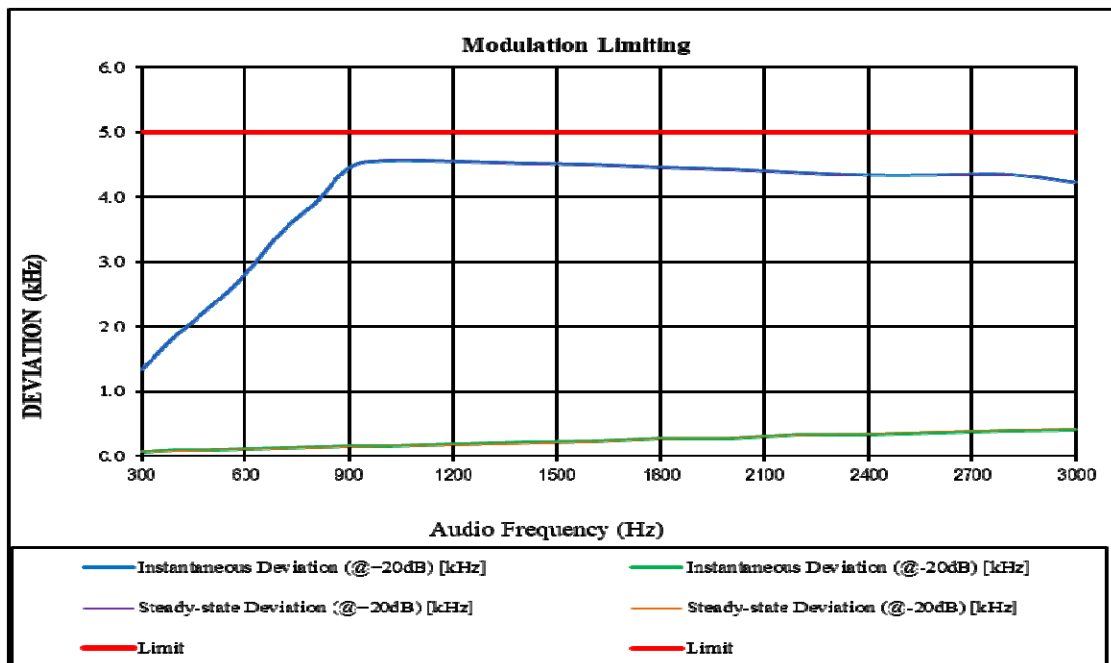


Modulation Limiting – High Power

Channel Spacing: 12.5kHz		Carrier Frequency: 453.2125 MHz			
Audio Frequency (Hz)	Instantaneous		Steady-state		Limit [kHz]
	Deviation (@+20dB) [kHz]	Deviation (@-20dB) [kHz]	Deviation (@+20dB) [kHz]	Deviation (@-20dB) [kHz]	
300	0.590	0.068	0.581	0.072	2.5
400	0.956	0.079	0.963	0.085	2.5
500	1.176	0.078	1.121	0.074	2.5
600	1.426	0.076	1.412	0.074	2.5
700	1.753	0.083	1.743	0.082	2.5
800	1.954	0.085	1.932	0.086	2.5
900	2.240	0.083	2.220	0.084	2.5
1000	2.320	0.088	2.287	0.088	2.5
1200	2.300	0.089	2.284	0.094	2.5
1400	2.290	0.107	2.294	0.098	2.5
1600	2.290	0.113	2.297	0.108	2.5
1800	2.280	0.121	2.278	0.118	2.5
2000	2.240	0.120	2.236	0.134	2.5
2200	2.230	0.141	2.226	0.139	2.5
2400	2.200	0.135	2.160	0.142	2.5
2600	2.150	0.142	2.134	0.146	2.5
2800	2.140	0.142	2.137	0.148	2.5
3000	2.064	0.150	2.054	0.152	2.5

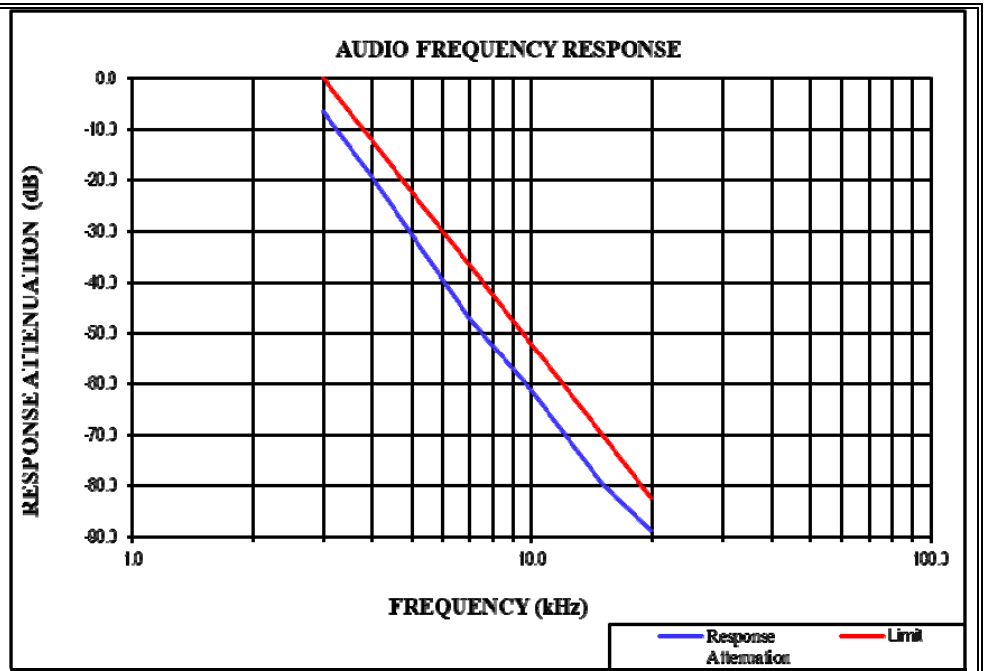


Channel Spacing: 25kHz		Carrier Frequency: 459.9875 MHz			
Audio Frequency (Hz)	Instantaneous		Steady-state		Limit [kHz]
	Deviation (@+20dB) [kHz]	Deviation (@-20dB) [kHz]	Deviation (@+20dB) [kHz]	Deviation (@-20dB) [kHz]	
300	1.328	0.074	1.324	0.076	5
400	1.860	0.094	1.853	0.085	5
500	2.306	0.099	2.301	0.096	5
600	2.802	0.117	2.813	0.111	5
700	3.435	0.126	3.426	0.121	5
800	3.896	0.136	3.892	0.134	5
900	4.449	0.151	4.445	0.148	5
1000	4.557	0.160	4.568	0.156	5
1200	4.550	0.186	4.551	0.174	5
1400	4.520	0.213	4.512	0.194	5
1600	4.500	0.231	4.495	0.221	5
1800	4.460	0.272	4.453	0.268	5
2000	4.430	0.277	4.421	0.278	5
2200	4.380	0.334	4.374	0.324	5
2400	4.338	0.331	4.331	0.339	5
2600	4.340	0.362	4.336	0.371	5
2800	4.350	0.385	4.345	0.394	5
3000	4.220	0.403	4.215	0.412	5

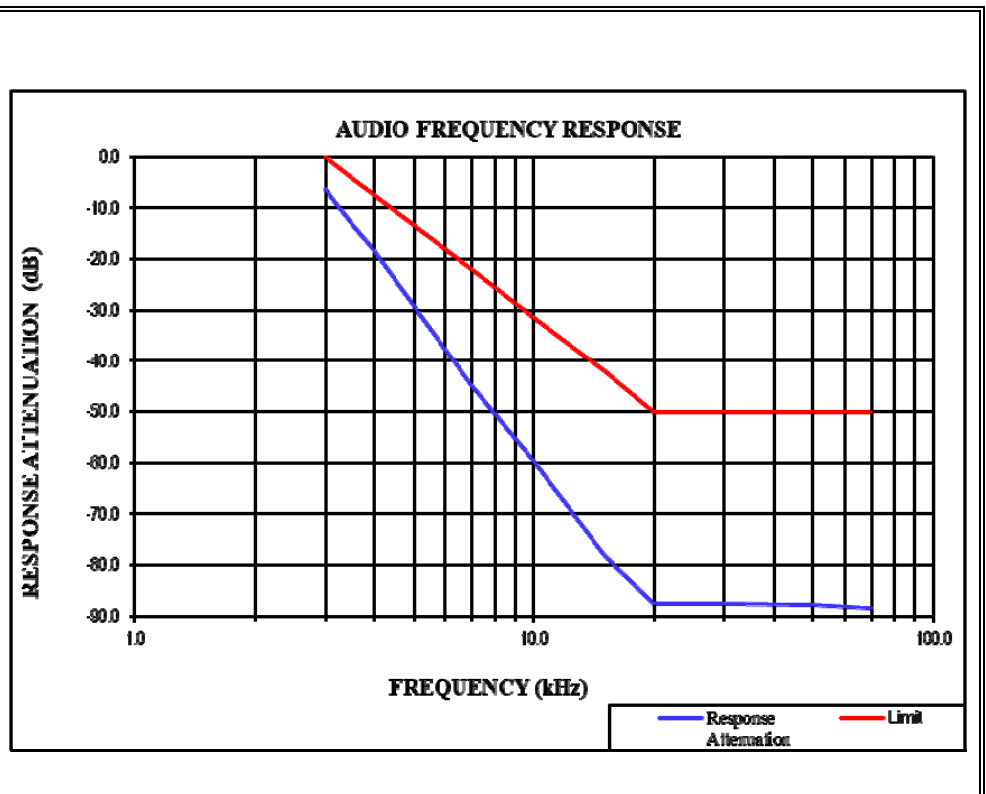


Audio Frequency Low Pass Filter Response – High Power

Channel Spacing: 12.5kHz		
Carrier Frequency: 453.2125 MHz		
Audio Frequency (kHz)	Response Attenuation (dB)	Limit (dB)
3.0	-6.4	0.0
3.5	-13.6	-6.7
4.0	-19.6	-12.5
5.0	-30.6	-22.2
7.0	-47.2	-36.8
10.0	-61.5	-52.3
15.0	-79.6	-69.9
20.0	-88.9	-82.5



Channel Spacing: 25kHz		
Carrier Frequency: 459.9875 MHz		
Audio Frequency (kHz)	Response Attenuation (dB)	Limit (dB)
3.0	-6.2	0
3.5	-13.1	-4.0
4.0	-18.6	-7.5
5.0	-29.1	-13.3
7.0	-45.0	-22.1
10.0	-59.8	-31.4
15.0	-78.2	-41.9
20.0	-87.6	-50.0
30.0	-87.6	-50.0
50.0	-87.8	-50.0
70.0	-88.4	-50.0



4 – OCCUPIED BANDWIDTH & EMISSION MASK

Applicable Standard

FCC §2.1049, §22.357, § 22.731, §74.462, §80.205, §80.207,§90.209 and §90.210

Test Procedure

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

The resolution bandwidth of the spectrum analyzer was set at 100 Hz or 300 Hz and the spectrum was recorded in the frequency band ±50 kHz from the carrier frequency.

Test Data

Test Mode: Transmitting

Test Result: Compliance. Please refer to following table and plots.

Test Mode	Test Channel	Test Frequency (MHz)	High Power Level		Low Power Level		Note
			99% Occupied Bandwidth (kHz)	26dB Emission Bandwidth (kHz)	99% Occupied Bandwidth (kHz)	26dB Emission Bandwidth (kHz)	
FM 12.5kHz	Low	350.0125	9.980	10.380	9.880	10.380	FCC
	Middle	453.2125	9.880	10.380	9.880	10.380	Part 90
	High	469.9875	9.880	10.380	9.980	10.380	Part 90
	Additional	454.0125	9.880	10.280	9.880	10.280	Part 74
	Additional	455.0125	9.880	10.380	9.880	10.280	Part 22
4FSK 12.5kHz	Low	350.0125	7.285	9.280	7.186	9.680	FCC
	Middle	453.2125	7.186	8.980	6.886	9.180	Part 90
	High	469.9875	6.886	8.980	6.786	8.880	Part 90
	Additional	454.0125	7.285	9.580	6.986	9.580	Part 74
	Additional	455.0125	7.186	9.480	7.285	9.380	Part 22
FM 25kHz	Additional	454.0125	14.770	15.970	14.770	15.970	Part 74
	Additional	455.0125	14.770	15.860	14.770	15.860	Part 22
	Additional	459.9875	14.770	15.820	14.770	15.820	Part 80

Note: Emission bandwidth was based on calculation method instead of measurement.

Emission Designator: Per CFR 47 §2.201& §2.202, BW = 2M + 2D

For FM Mode (Channel Spacing: 12.5 kHz)

Emission Designator: 11K0F3E

In this case, the maximum modulating frequency is 3.0 kHz with a 2.5 kHz deviation.

$$BW = 2(M+D) = 2*(3.0 \text{ kHz} + 2.5 \text{ kHz}) = 11 \text{ kHz} = 11K0$$

F3E portion of the designator represents an FM voice transmission

Therefore, the entire designator for 12.5 kHz channel spacing FM mode is 11K0F3E.

For FM Mode (Channel Spacing: 25 kHz)

Emission Designator: 16K0F3E

In this case, the maximum modulating frequency is 3.0 kHz with a 5.0 kHz deviation.

$$BW = 2(M+D) = 2*(3.0 \text{ kHz} + 5.0 \text{ kHz}) = 16 \text{ kHz} = 16K0$$

F3E portion of the designator represents an FM voice transmission

Therefore, the entire designator for 25 kHz channel spacing FM mode is 16K0F3E.

For Digital Mode (Channel Spacing: 12.5 kHz)

Emission Designator: 7K60F1D and 7K60F1E

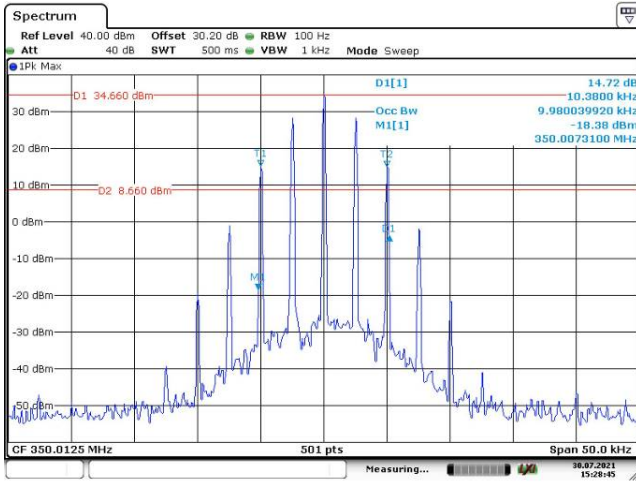
The 99% energy rule (title 47CFR 2.1049) was used for digital mode. It basically states that 99% of the modulation energy falls within X kHz, in this case, 7.60 kHz. The emission mask was obtained from 47CFR 90.210(d).

F1D and F1E portion of the designator indicates digital information.

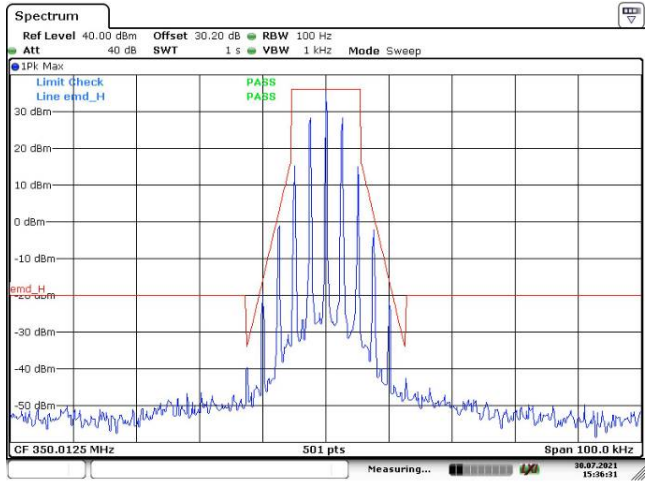
Therefore, the entire designator for 12.5 kHz channel spacing digital mode is 7K60F1D and 7K60F1E.

FM, 12.5kHz, High Power:

Low Channel

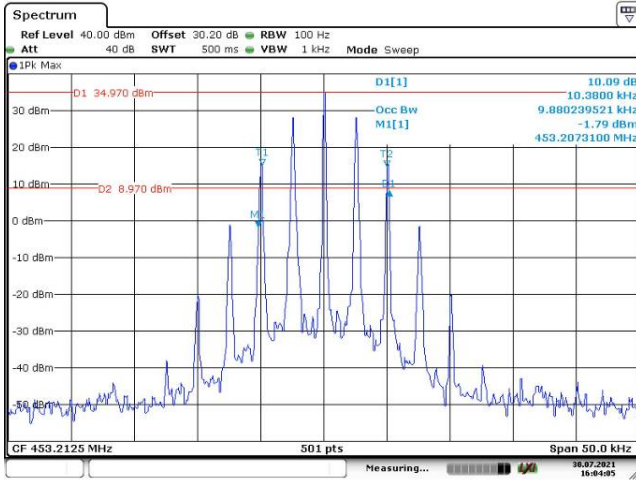


Date: 30.JUL.2021 15:28:45

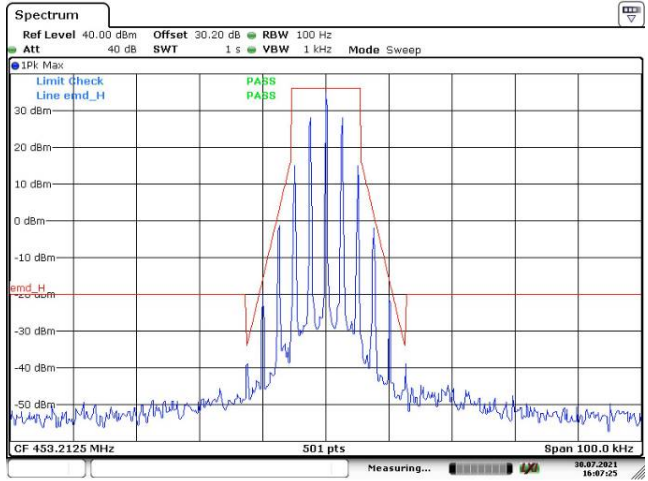


Date: 30.JUL.2021 15:36:31

Middle Channel

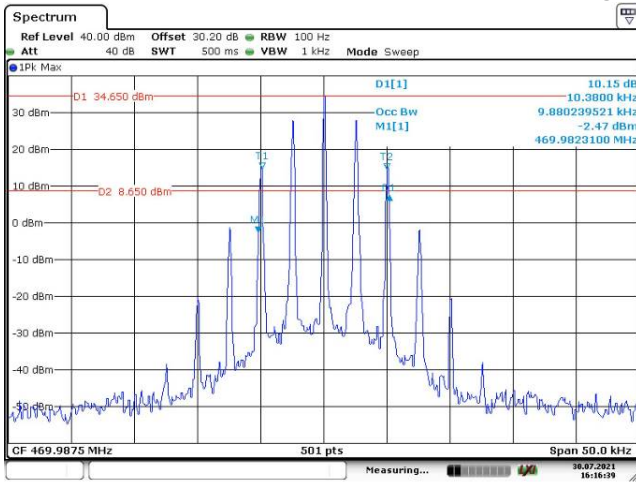


Date: 30.JUL.2021 16:04:05

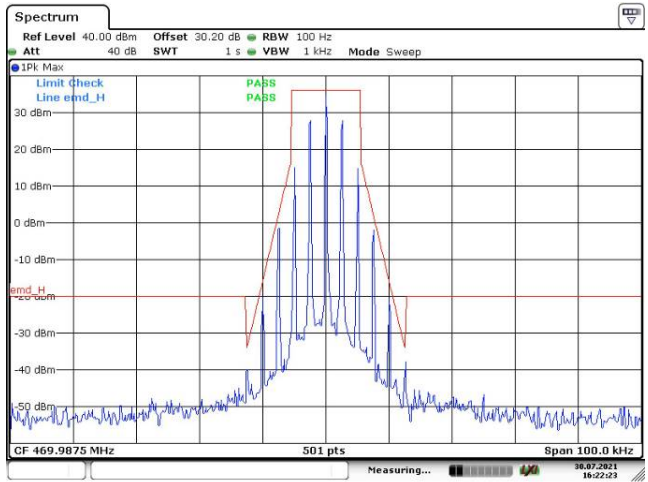


Date: 30.JUL.2021 16:07:26

High Channel

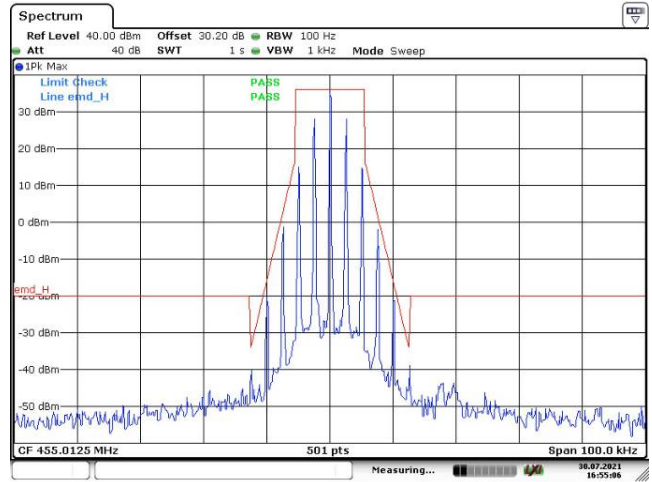
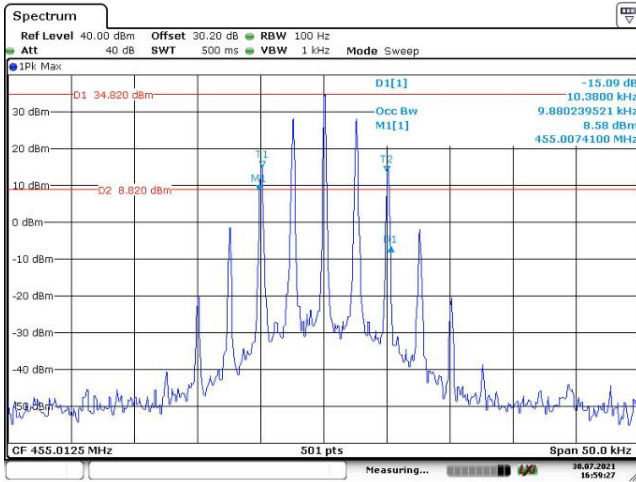


Date: 30.JUL.2021 16:16:39

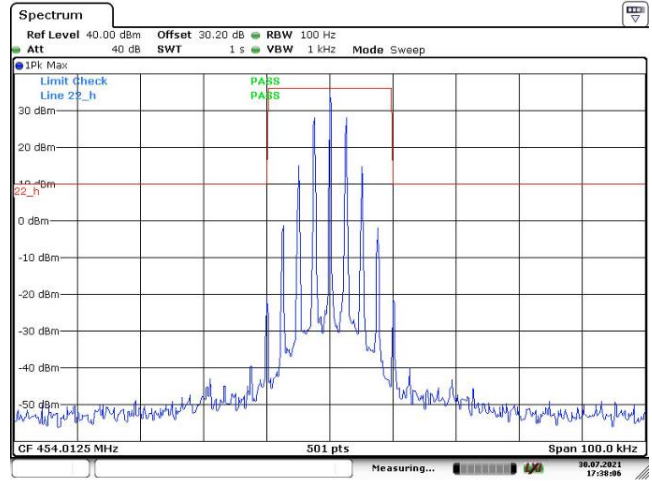
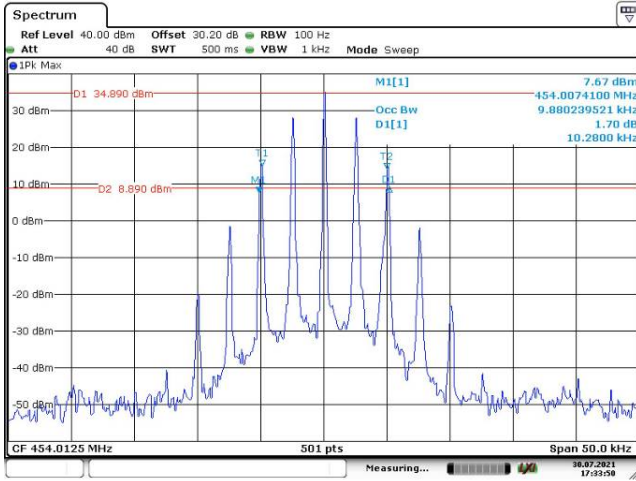


Date: 30.JUL.2021 16:22:23

Additional Channel Part 74, 455.0125 MHz

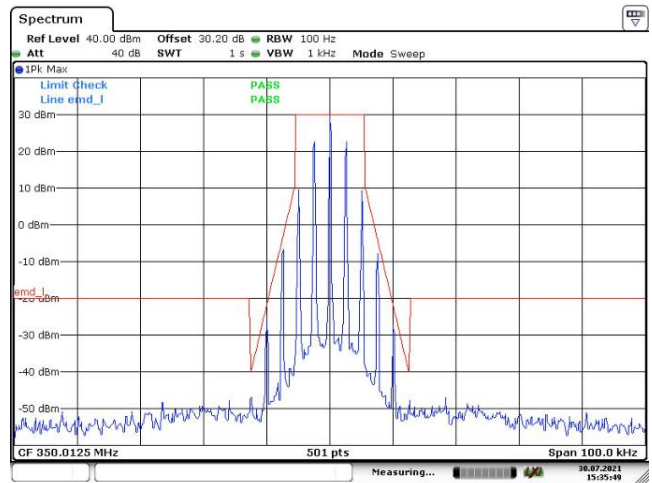
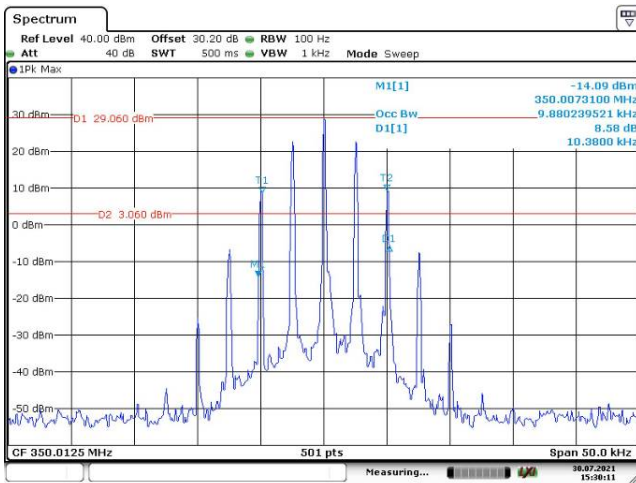


Additional Channel Part 22, 454.0125 MHz

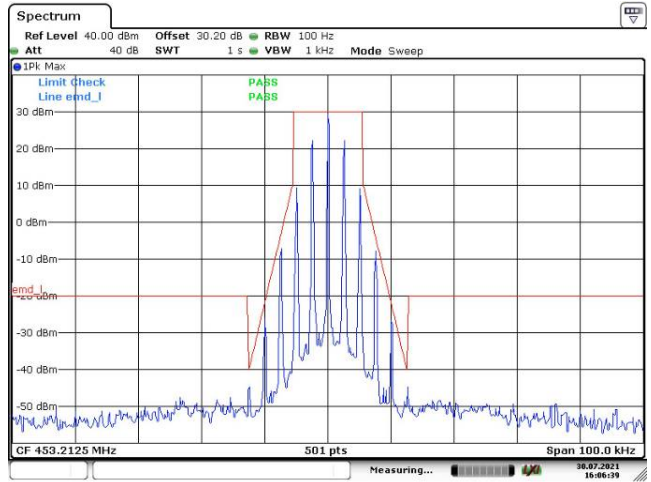
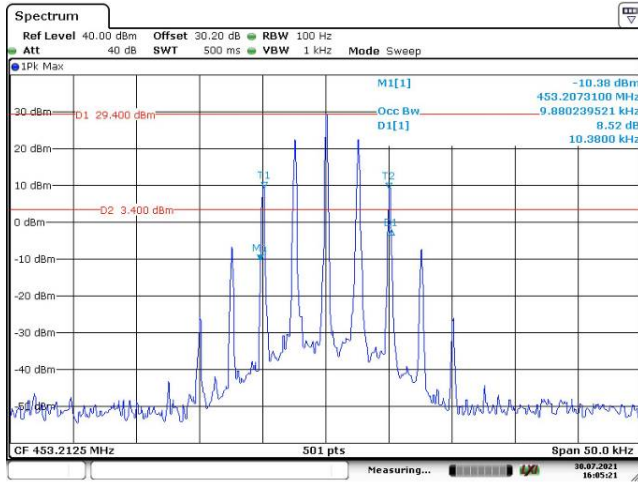


FM, 12.5kHz, Low Power:

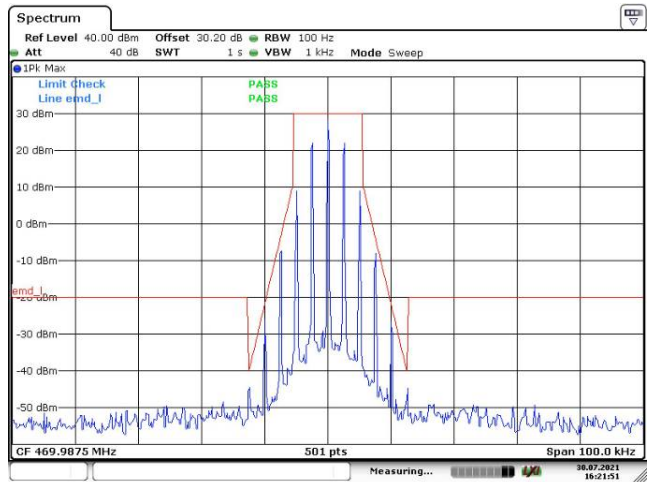
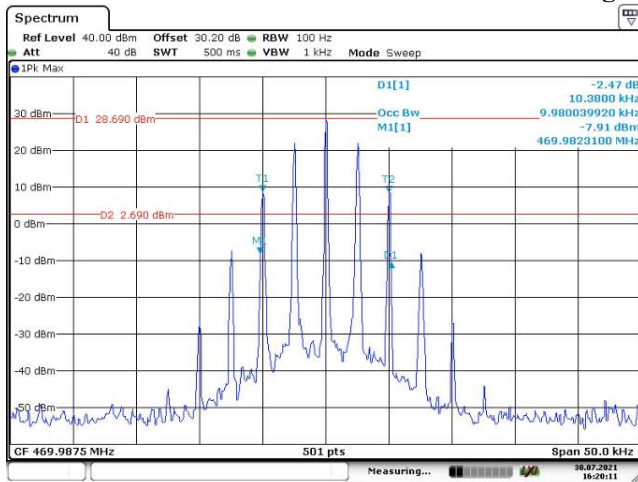
Low Channel



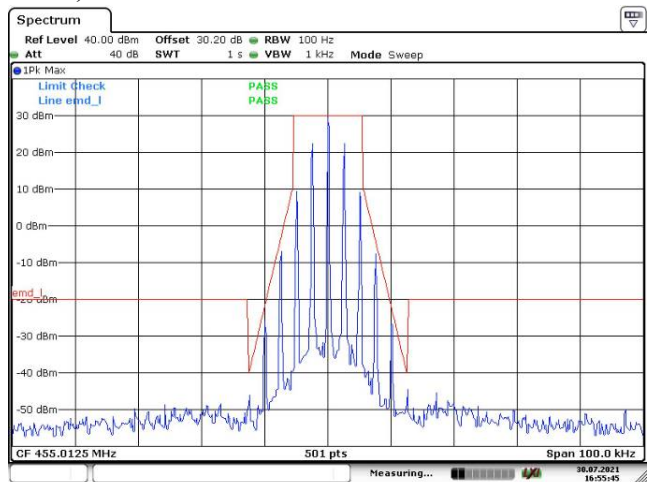
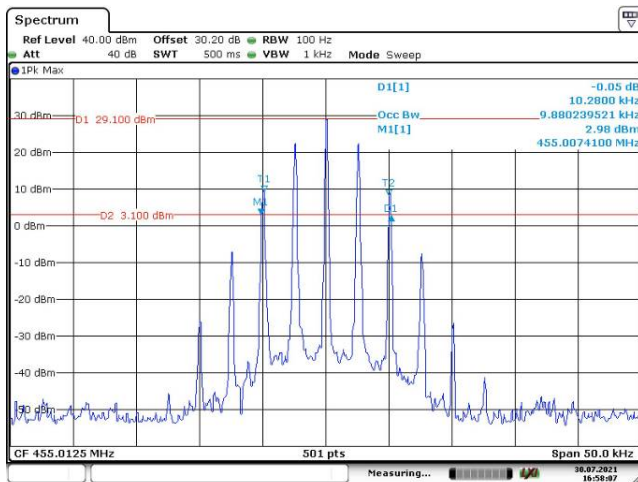
Middle Channel



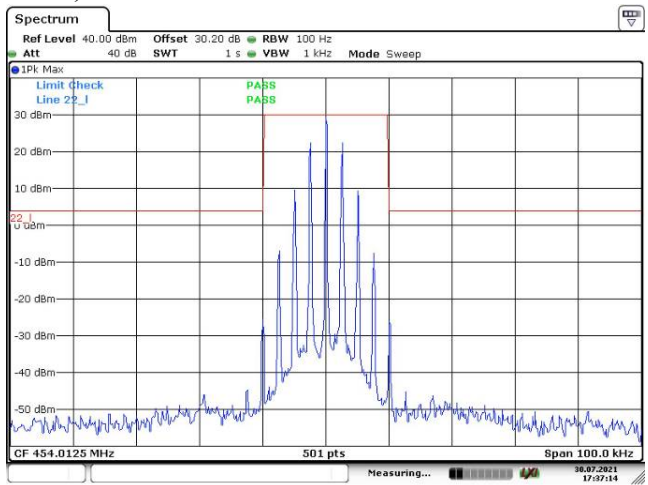
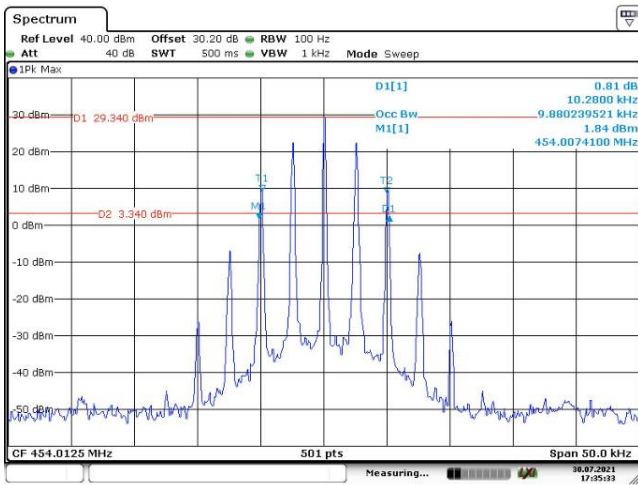
High Channel



Additional Channel Part 74, 455.0125 MHz

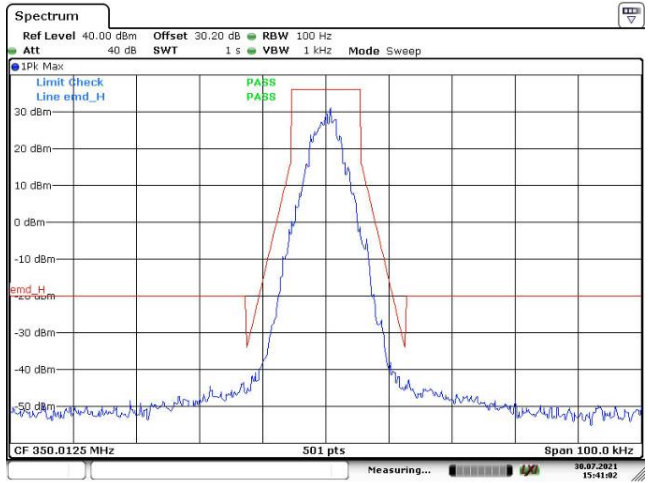
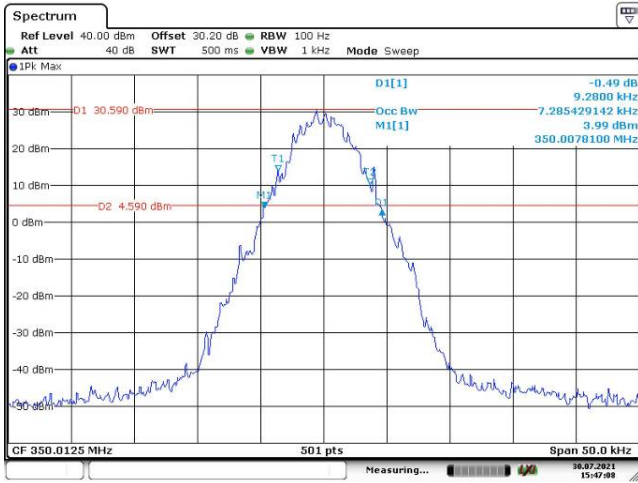


Additional Channel Part 22, 454.0125 MHz

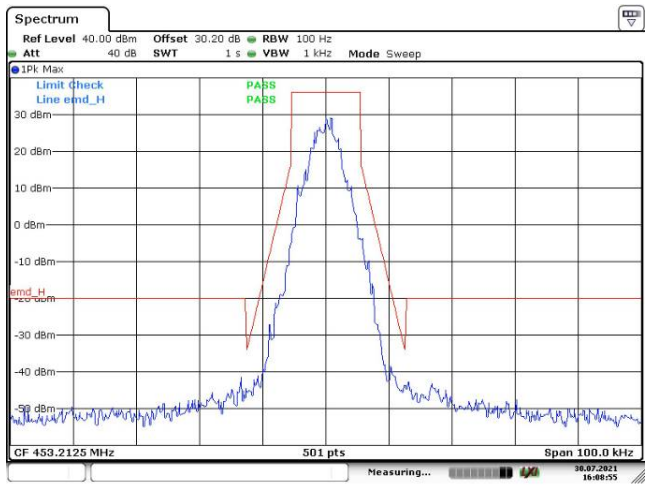
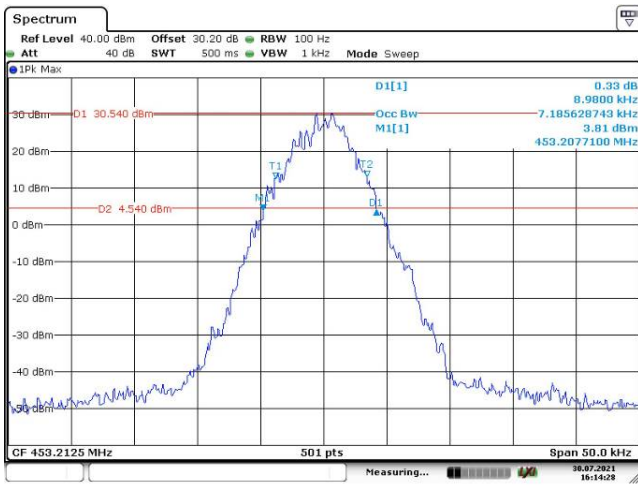


4FSK, 12.5kHz, High Power:

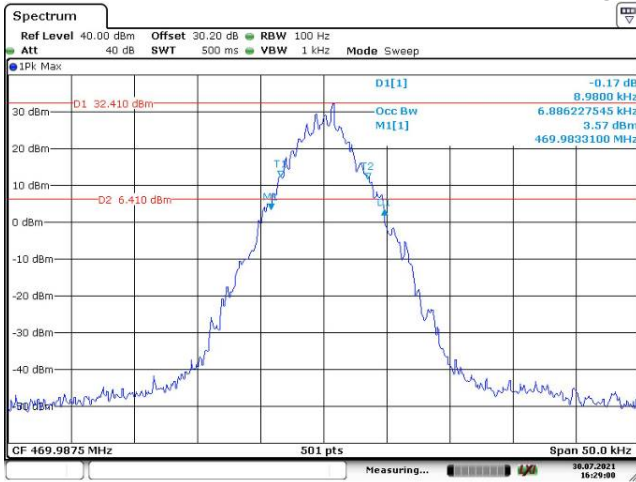
Low Channel



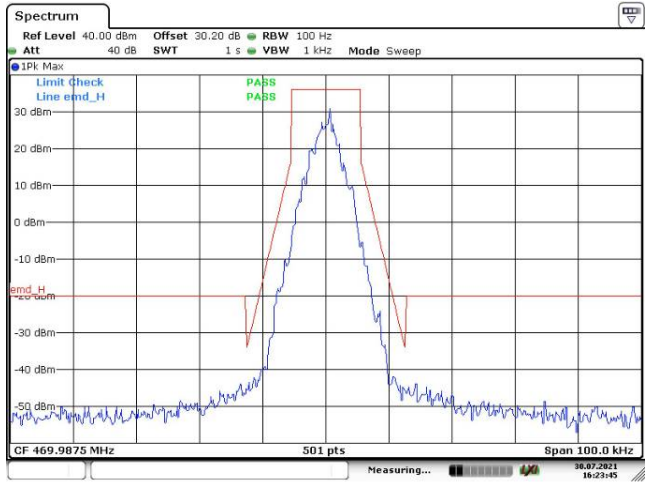
Middle Channel



High Channel

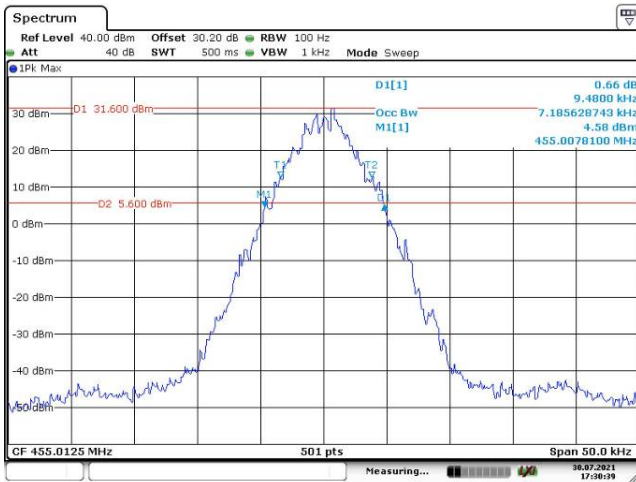


Date: 30.JUL.2021 16:29:00

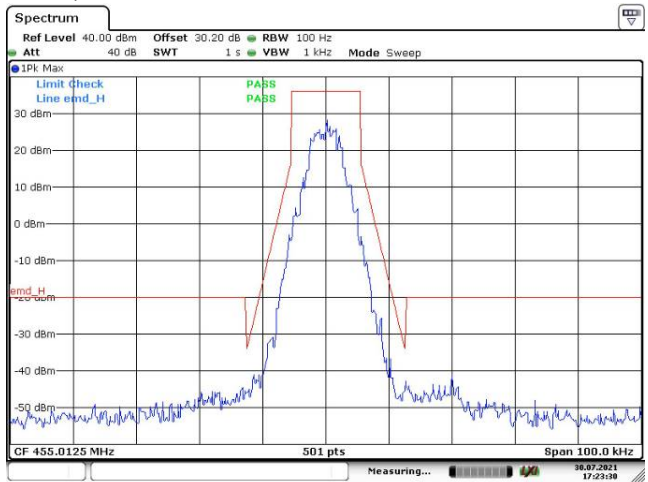


Date: 30.JUL.2021 16:23:46

Additional Channel Part 74, 455.0125 MHz

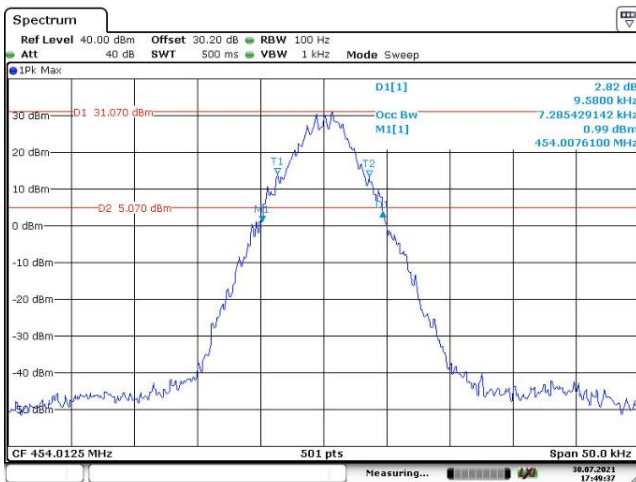


Date: 30.JUL.2021 17:30:39

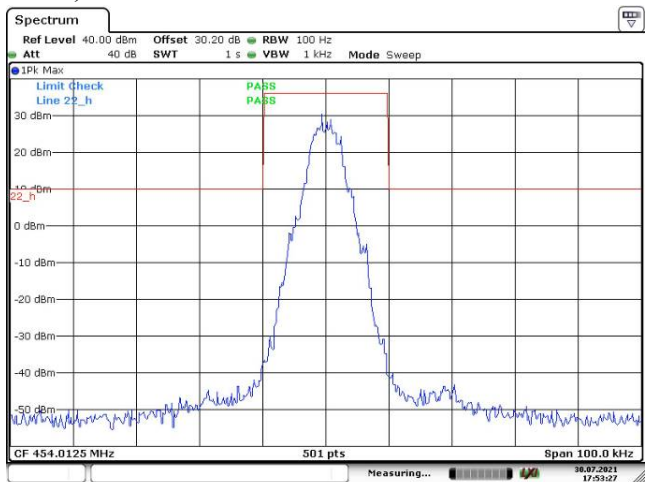


Date: 30.JUL.2021 17:23:30

Additional Channel Part 22, 454.0125 MHz



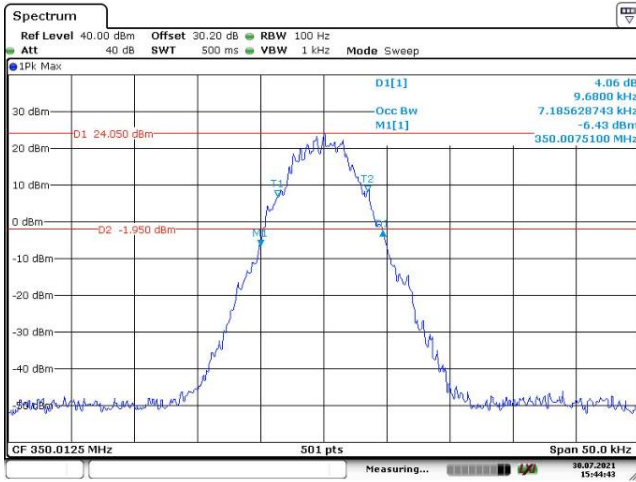
Date: 30.JUL.2021 17:49:37



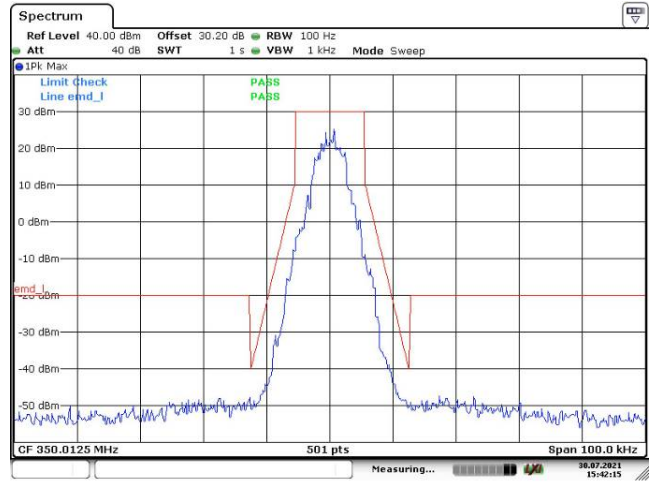
Date: 30.JUL.2021 17:53:27

4FSK, 12.5kHz, Low Power:

Low Channel

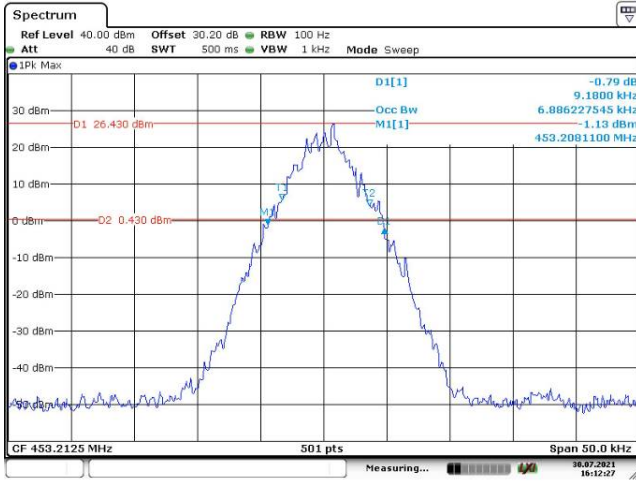


Date: 30.JUL.2021 15:44:43

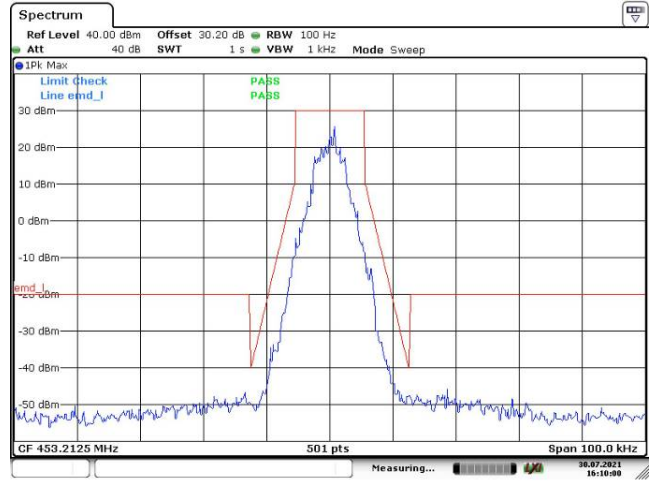


Date: 30.JUL.2021 15:42:15

Middle Channel

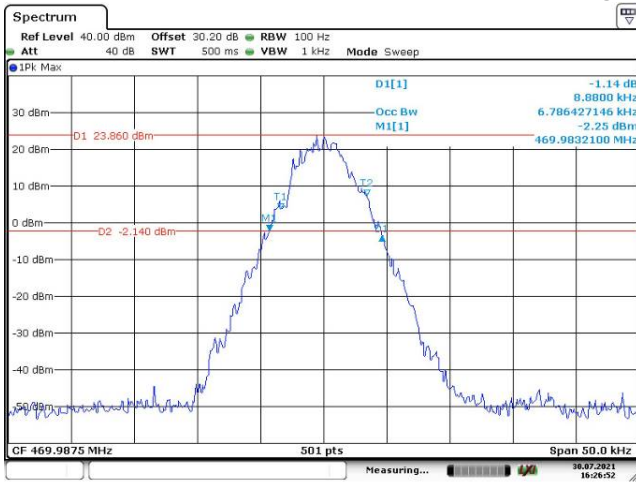


Date: 30.JUL.2021 16:12:28

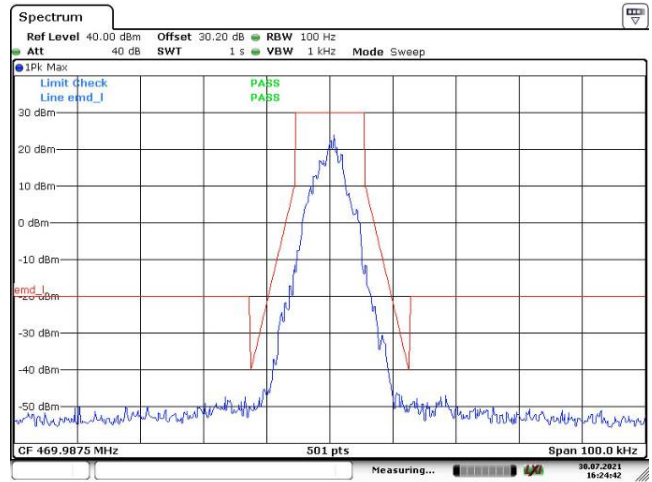


Date: 30.JUL.2021 16:10:00

High Channel

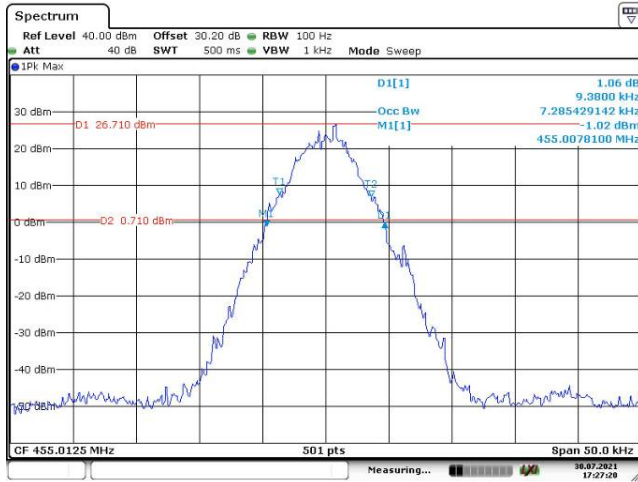


Date: 30.JUL.2021 16:26:52

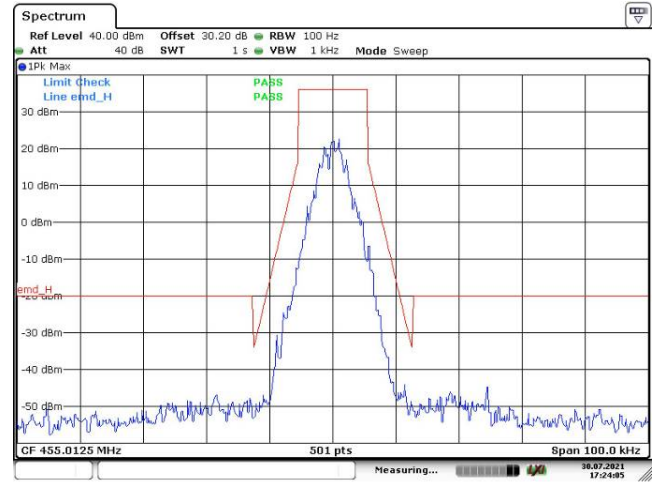


Date: 30.JUL.2021 16:24:43

Additional Channel Part 74, 455.0125 MHz

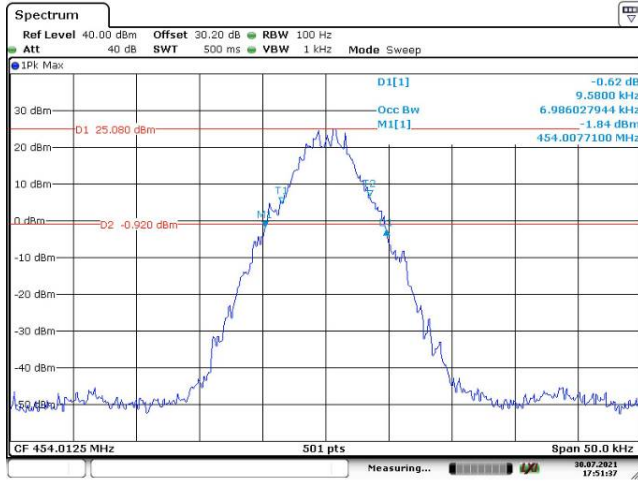


Date: 30.JUL.2021 17:27:20

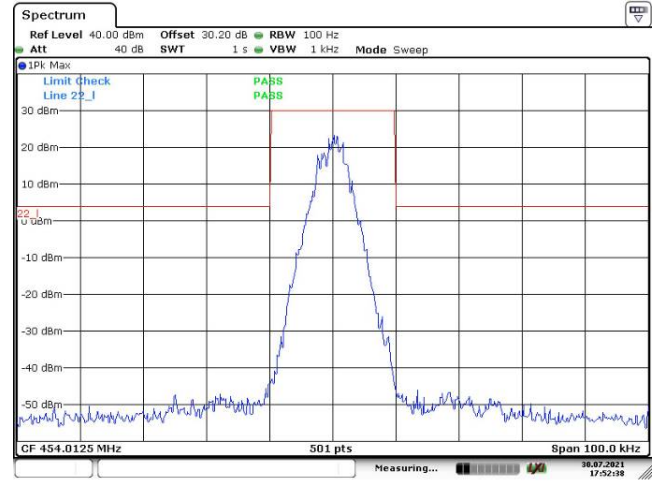


Date: 30.JUL.2021 17:24:06

Additional Channel Part 22, 454.0125 MHz



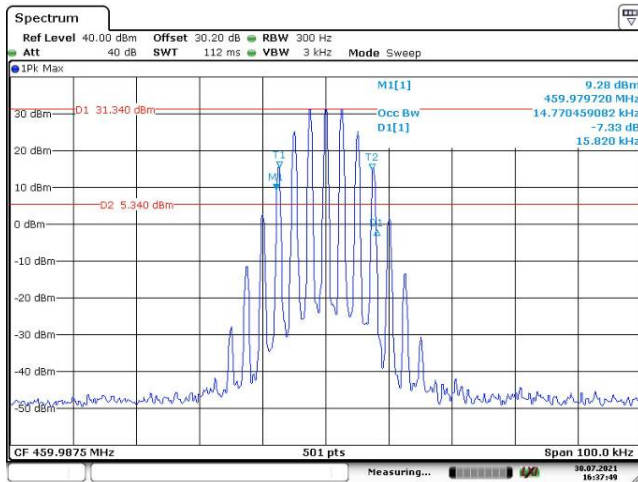
Date: 30.JUL.2021 17:51:38



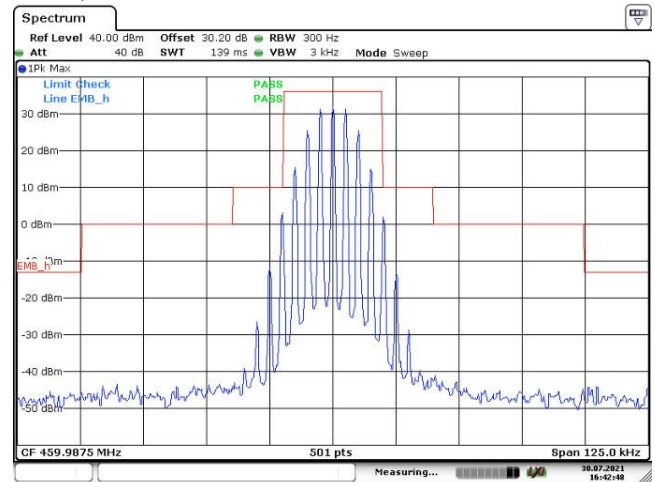
Date: 30.JUL.2021 17:52:39

FM, 25 kHz, High Power:

Additional Channel Part 80, 459.9875 MHz

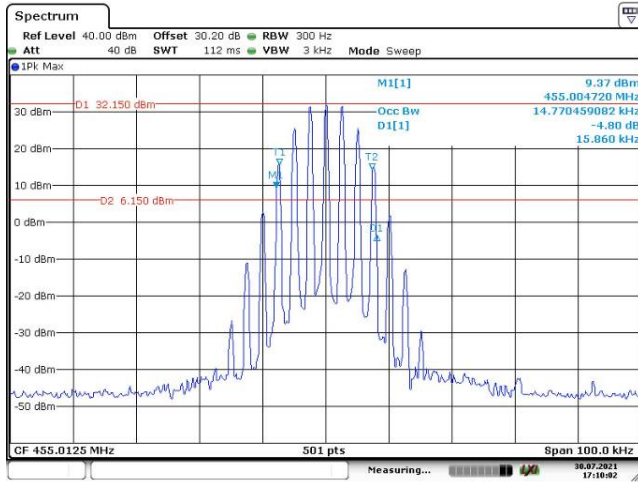


Date: 30.JUL.2021 16:37:49

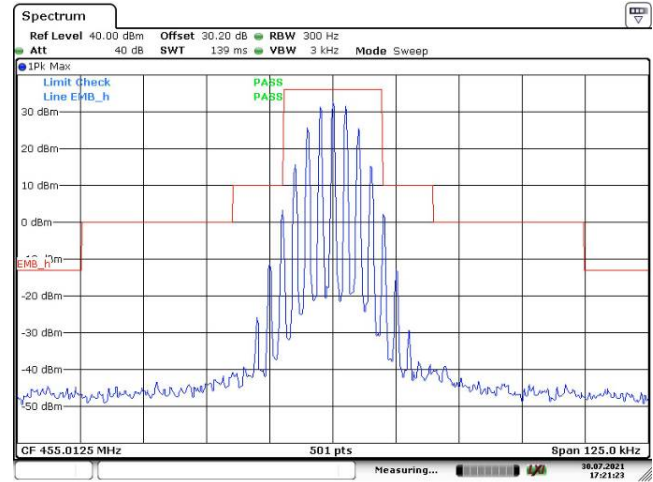


Date: 30.JUL.2021 16:42:49

Additional Channel Part 74, 455.0125 MHz

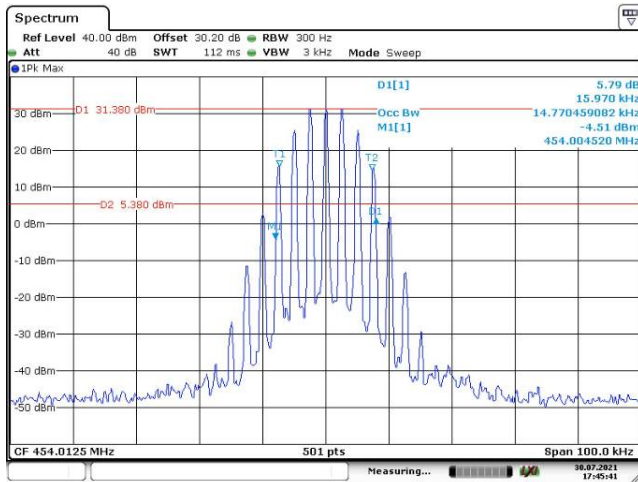


Date: 30.JUL.2021 17:10:02

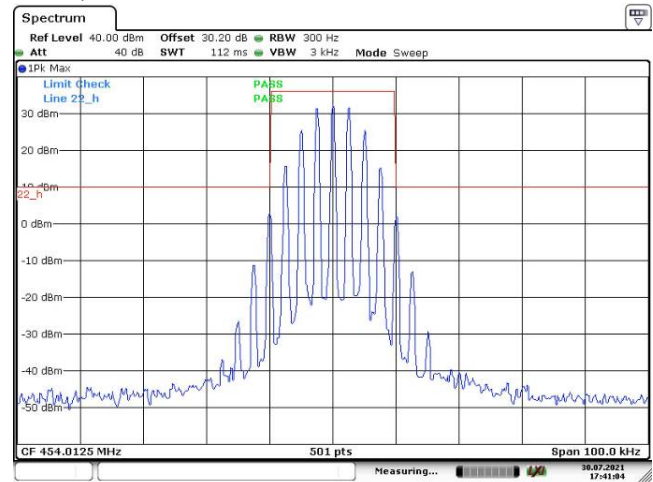


Date: 30.JUL.2021 17:21:23

Additional Channel Part 22, 454.0125 MHz



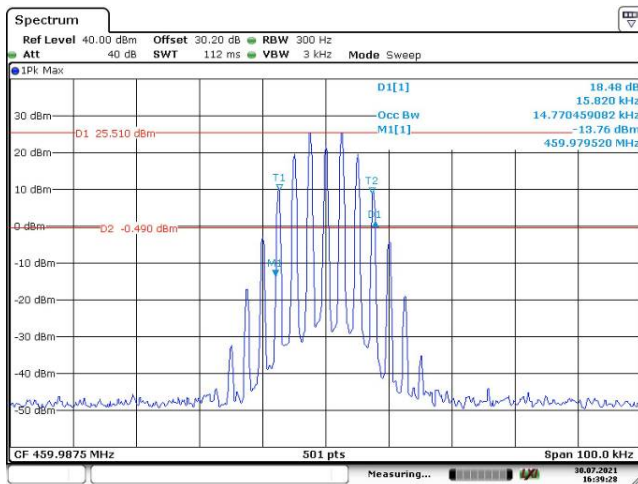
Date: 30.JUL.2021 17:45:41



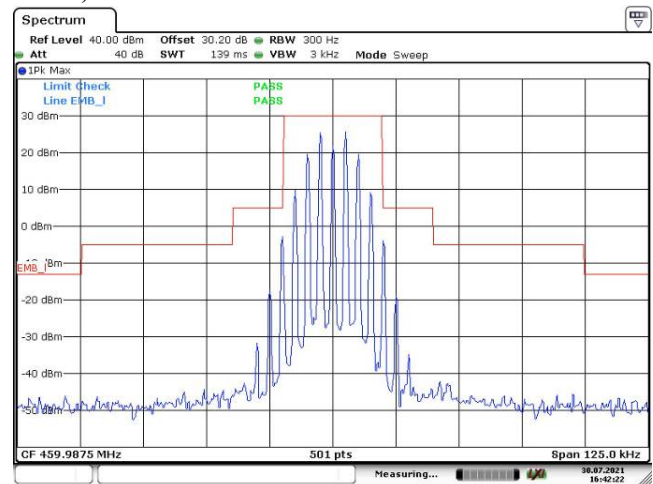
Date: 30.JUL.2021 17:41:04

FM, 25 kHz, Low Power:

Additional Channel Part 80, 459.9875 MHz

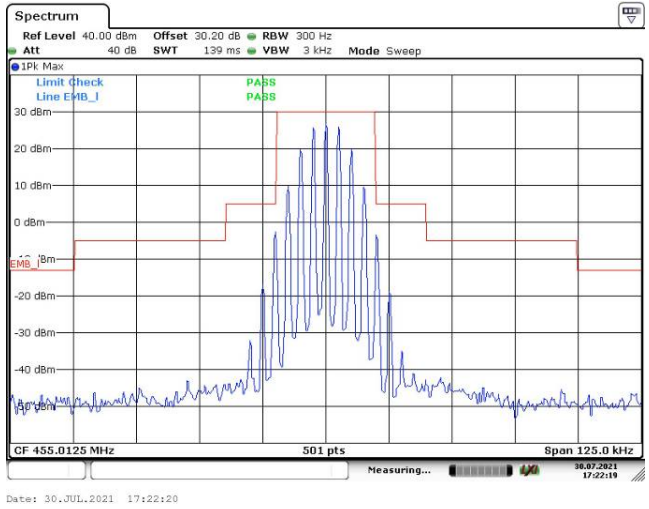
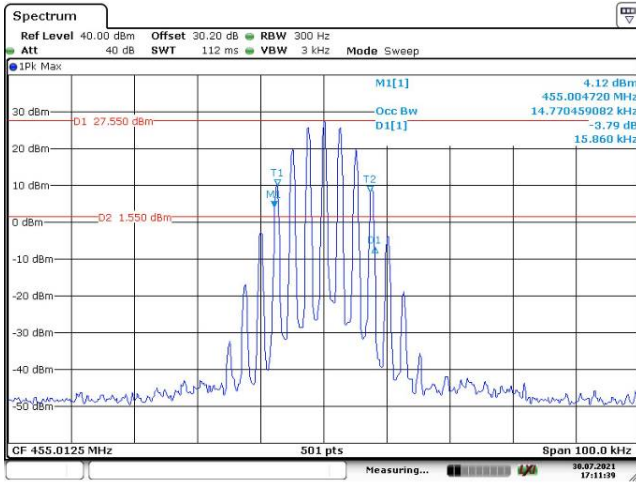


Date: 30.JUL.2021 16:39:29



Date: 30.JUL.2021 16:42:22

Additional Channel Part 74, 455.0125 MHz



Additional Channel Part 22, 454.0125 MHz

